Table 4

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>Sequence 3463

>Sequence 3464

>Sequence 3465

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Table 4

CTTGTGGCTTTCCACAACTTACTGTCCCATGTTTTTATGGCCAGTTTATG
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GAGGCATCTTCCGCATTTGCAGACACCATGGTAATTACCGGAATCATAGC
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CTCCCT

>Sequence 3466

>Sequence 3467

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GATTATTACTGCTGCTCATATGGAGATAATAGCACTTGGGTGTTCGGCGG
AGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCTGCCCCCTCGGGCA
CTCTGTTCCCACCCTCCTTTGAGGAGCTTCAAGCCAACAAGGCCACACTG
GTGTGGTCTCATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGA
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AAACAAAGCAACAACAAGTACCTTCCCG

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Table 4

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>Sequence 3472

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>Sequence 3473

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AGACAGTGGCCCTCGAGCGGCCCCGGGCAGGTACGCGGGGTTCTCCCT
GACTTGGGACATGGCCTGCGGATTATCCTGCCCCCAGAGAAGGAGCTTG
CCATGCCCGGGGAGACCTGAAGTTCAACCTAATCTTGCGGCAGCCAATG
ATCTTAGAGAAAGGCCAGCGTTTCACCCTGCGAGATGGCAACCGGACTAT
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>Sequence 3475

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TTCCAACATAAACCGTTCTCCTAATTTCATCTATTTTGGAAGGATCCACG
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Table 4

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AATAAATAAGAACTTTAGTCTTTCCTTTTATCCTGCTCTACTAGGAAAAA
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>Sequence 3476

>Sequence 3477

GATGGTGGGAATGCAAAATGGAACAGCCACTTTGGAATACAATTTCTTAT ÄAAACGAAACATACTCTTTTAAAAATAAATATACTCTTATCCTACGATCC AGCAATCTCAATTTCCATGGTATTTATTCAAAGGAGTTGAAATTTATATC CACACAAAAATCCACACATGGATGTTTGTGGCAGATTTATTCATAATTCT AAGAAGTAGAAGCAACCAAGATGTCTTTCTGTAAGTGTCTTAATCCATTC AACCTGATATACCAATGACAAAACTCATAGATTTGCTGGCATTTAAACAA CATAAATITATTGCTCACAGTCCTGGAGGCTGGAAGTCCAAGATCAAGTC ATGGCACATTCTGCATCTGGTGAGGGCACTTCCTGGTTCATAGATGGCTC CTTTTTGCTGCATCTAAGTGCACGAATCTCTTTCATGAGGTTCCACCCTC ATGACCTCATCACCTCCCCAAAACTCCAACCTGGGCAACAGAGCAAGCCT TTGTCTCGAAAAAAAAAAAAATGACAANAAAAGGTTCCTGCCCGGGCGG CCGCTCGATGCCCATTTGATGCCTGGTTTATCACAAAAAAGACCCATGCA GTGAAAACTGGTTTTTTTTTTTTTTTGGGGGCTTGGTTTTTACCCAAAAAT TTTTCCTAGTATAAATGCCCTTTTTTTGAAA

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ACAAGTCCTCGACCAACCCAGGATTCAAGGATTTTTGTGGCTAACAGCACT
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Table 4

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>Sequence 3481

>Sequence 3482

>Sequence 3483

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>Sequence 3485

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Table 4

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>Sequence 3488

>Sequence 3489

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>Sequence 3491

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Table 4

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CAGCACAGTCCATTTCAACATCTGCAAGCACAAAAAGCACAGCACTTAGG
AAGAAGAAAACATTTGCATGACCTCAGCTATCATCATTGCCTGAGTCATT
CTGGCTAACCAGGAGATCTTGAGTCTTCTCACTTGCCCAATACCTTACTG
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>Sequence 3495

>Sequence 3496

>Sequence 3497

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Table 4

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ATACTCCTCCTCCAGGTCCTGGCGGCTCTCTGCCATGAGATTTTCAAACT
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CGTACCTGCCCG

>Sequence 3498

>Sequence 3499

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AATTCCAAAAGATGAGCATATTCTTCAGTTCCTATGTGCATGGGATTTTA
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Table 4

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>Sequence 3502

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>Sequence 3503

>Sequence 3504

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>Sequence 3506

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>Sequence 3508

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Table 4

>Sequence 3509

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Table 4

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AAACATCTANTTAATACTTATTCCGTCATNNNTTTTTGTGTTGAAGATGT
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>Sequence 3516

>Sequence 3517

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CTGTCTCAGGAGAAGTGTTCTTCCACTGAACCTGAACCAGGAAGAATATG
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TCGGGATGAAGTTAATGCTATGAATGATAACAGGAGAAACATACTTAAGT
CCTGAATGATACTGCTGTTCAGCCTGAAGTCTGTCCTAATTTTCTATTTA
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Table 4

>Sequence 3518

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>Sequence 3519

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GGCCTCCTATGAGCTGATACAGCCACCCTCGGTGTCAGTGTCCCCAGGAC
AGACGGCCAGGATCACCTGCTCTGGAGATGCATTGCCAAACCAATATGTT
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TGCCATCCGGAATCTACGGGAAGGCACATGCCCAGAAGCCCCAACAGATG
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TGTGATGAGTGAAGTGTAACAGTGTAGGGAAAATAGAGTGTATCAGC
AGAGACCACCGAAGACTGCCCAAGATCATGAATGGAGAAGCTGATG
CCATGAGCTTGGATGGAGGGTTTGTCTACATAGCGGGCAAGTTTGAGGATA
CACCAAAGGCAGGTATTTTCCTGGAACAGTGGTGAAAAAATCAGCTTCT
GACCTCACCTGGGACAATCTGAAAGGCAAGAAGGTCTCCCATACGGCAAT
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CACCCCCCGAGATTTGATGAATTTTTCAGGGAAAGGGGG

>Sequence 3520

>Sequence 3521

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TGTTTTTTCAACCCTTTAACTTTTTACGGTGTTTGAAGACCAACTACTCC
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>Sequence 3522

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GAAGGATCAGCTATCCAGCGACTGTGAGCATGAACAAGAGCCAAGCCTAG
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GAAAG

>Sequence 3523

>Sequence 3524

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Table 4

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GCTGGGCCTCACTGAATCACTTGGATTCCCACCTTCTGCTGTGCTTCGTG
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CATAGGTAGCTTCCCAGGAATGCGTCGCCTGGCATGCTTTTCCAGTTTCC
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>Sequence 3526

>Sequence 3527

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Table 4

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>Sequence 3530

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>Sequence 3532

> Page 714 of 990 of Table 4

Table 4

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>Sequence 3534

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>Sequence 3535

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GCTGGCAGGAAGAACTTCCTGGAGAGTTGACAGAGATGGAACTCTAGCCT
GCATGGAGCCCAGAGGGTTTGTTGTGGGAACAGTTGCAGTGGAGCATGGC
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GTC

>Sequence 3536

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>Sequence 3538

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Table 4

>Sequence 3540

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GCACCTAGCCTATGGGACTAAACACTGCGCTGGGGAGCTGCCCAGCGCTA
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TGTGT

>Sequence 3541

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>Sequence 3543

>Sequence 3544

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Table 4

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>Sequence 3545

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>Sequence 3546

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>Sequence 3548

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>Sequence 3551

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>Sequence 3552

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Table 4

>Sequence 3553

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>Sequence 3554

>Sequence 3555

>Sequence 3556

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>Sequence 3557

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CGTTACCTTGT

>Sequence 3558

> Page 718 of 990 of Table 4

Table 4

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>Sequence 3559

>Sequence 3560

>Sequence 3561

>Sequence 3562

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>Sequence 3563

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>Sequence 3565

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>Sequence 3566

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Table 4

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TTCTGAAAATATTCATCACCATGATGTCTAAGAGTGTTCGGATGATGCTG
AACAAATGGGAGGAACACATTGCCCAAAACTCACGTCTGGAGCTCTTTCA
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ACCAAGGCGGCAGCCAGTTGGACAGTACCTGCCCG
>Sequence 3567

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>Sequence 3569

>Sequence 3570

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CAGCATCCCACTGGGAAAGCAGCTCTTCAAACACGTCCTTCAAGCGCGAG
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CGCAACGGTCCCCGCGTACTTGCCTC

>Sequence 3571

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Table 4

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>Sequence 3573

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Table 4

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ACGAAGGTGGCCACAGGTCTGGTTCTGAACAGAGACCAGAGGCTCGCTG
GGCAGAGAACAGCATTGACTTCATCAGCAGGGAGCTGTGTGCGCATTCCA
TCAGGAAGCTGCAGGCCCATGTCCTGTTGATCAAAGCAGTCCACGGATAT
TTTGATTCAAGACAGAATTACTCTGAGAAGGAGTCCCTGTCGTTCATGAT
AGACACGATGAAATCACCCTCAAAGAGCAGTTCCAGTTTGTGGAAGTCC
CAAGCAATCACTGTGTCCACATGAGCGAACCCCAGCACGTGGCCAGTATC
ATCAGCTCCTTTTTACCAGTGCACACACATGCTCCCAGACCAGCTGTAGC
TCTGGGCCCTGAACTATGAAGACCTAGTGCTTCCAGACTCAACACTGGGA
CTCTGAGTTCTGGAGCCCCACACAAGGCCGGGTTGGTGGGACAGGCTCAC
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TACATTGGGCCCTAAAGGGGAAACAAATTGGGTTT
>Sequence 3578

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GCTGCAACAAGCACTGCCCAAAGAGAGTCTGGGCTTACATATGCCTAACC
CTGCCCCTACCTGATGGTCTTTCTTTACCAACCCTGGTAGCCAAAGGCAA
AGAACATATTCTCCTGGGAGCTCTAGGACCTCACCCATAGCCTGATTATC
CCTATGCTACCACAGCTGATGCTCTTTTGAAAGCACAATATCCTGGAAGG
ATGCCAACCAGCACAAAACTAGTGCAATAAACAAAACTACAACTAAGGAC
CCTCAGAGAGTCAATTTCACTCCCCTACCACCTCCATCAGAACAGGTGCT
GCTATTCGTGGCTGAGAAAACCTGAAGACAGTTCACATCACAGGATACTGT
GTAGACACCCCCTAGTA

>Sequence 3579

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AAGACATCATTTTGTAAAAAACACAGAACTCTTCAAATGTCAAAGTTCCC
TGATTCTCATCTGTGCGGCTTCCTGAAACATTTGTCTGACTTTTCTTCG
GGGCAGATTAACATTCAGTTTATGCATCAGCTGATGTATCTCTTCAATAT
TCAGCAAGCCGTCACCATTCTTATCAGCTTCCTCAAAGGTCTGCTTCACC
CATTGGTCATGGGTCCTCTGCCTTTTTGGCAAGGGAGTCTTCATCACTGAT
GCCAGCCATCAGGTACCTGCCCG

>Sequence 3580

>Sequence 3581

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Table 4

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TTTGAGGAAATGTCCCCAGGAGGAATAAACTAGAGGACGCACCTGCTATA
TCACCATACTATGGATAATACAGCTAATGAAGTGGTGGCAGAAGCTTGGC
CGTGTGAGTGCCCCAGGGTAAAAGTCTCTCTTCTGTCCAGTCCAGAGCAG
AGACTTCTGCCCCGTGGACAGCAGCCTGCCACCAAGACTCAAGCAACGTA
AGAGTCATCTGCCCAGACTGGCTGGCAAAGCAAGAAGCACCCAGCCTTCC
TATAGGCAGAAGAAGTGGAAATCTGACAGTGGCCTGCCATGTACGGACCTG
CCCGGGGGGT

>Sequence 3584

AAAAAAGGACGGAACCCGAAAGGCTGCTGTAATTCTTGATATCATAAGA TATTTTCCTATTGATACATAGATAAAAACTAGCCTAAATAACATAGGGCT CAACTAGAAGGTCTATAGTAATCAACAATTTGATAGAATTATTTAAGAAA CTCATATTAACCATATTACTGGTAACATAAGATGTACA >Sequence 3585

>Sequence 3586

>Sequence 3588

CCGGGCAGGTACCACATGCCTGTAATCCCAGCTACTTGGAAGCTGAGGCA GGAGAATCTCTTGAACTTGGAAGGCGAGGTTGCAGTGAACCAAAATCAC GCCACAGCACTCCAGCCTGGGAGACAGAGCAAGGCTTAGTTTTAAAAAAA AATCAAATATTGGGGTGGATTCTGTTTATAGGAAATATTCAGAATTGGTA AGTCCATAAGGACAAAAACCAGATTGACAGGGGCTGAGATGAAAAAGAGA

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Table 4

ATGGGGTATGGGGAGTGACAGCTTGATAGGTATGGGTTTTGTTGGGGGGA GATAATGAAAACATTTGGAACTAGGAGAATTACCTGACATCAGGAGTTCA AGACCACTGAACTTGAACCTGGGTGACAGAGTGTAGACTTCTTTTTATAA **AAAAAGTAATT**

>Sequence 3589

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>Sequence 3590

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>Sequence 3591

AGGTACGCGGCAACTGTGTTGAAATCAAACCTGCCGCAACAGAAATTGT TTTTATTTCATGTAAAATAAGGGATCAATTTCAAACCCTGCTTATGATAT GAAATTATTAAAACCTAGTCTATTGTAGTTTTATTCAGACTGGTTTCTGT TTTTTGGTTATTAAAAATGGGTTTCCCTTTTTTTGGCTTATTAACAGAAAC ATAAAATCATAAAAAATAAAAGTTACTCTGCTCCGTGGCGGCCCGCTTCT AAGAACTTAGTTGGATCTCCCCGGGCTTGCAAGGAAATTTCGATATTCA TACCCCAGCCTTTTTGTTTTCCCTTTTAGTTGAAGGGGTTTAAAATTGCG GCCGCTTTGGGCCGTAAAATCATTGGGTCATTAGGCTTGGTTTTCCCTGT TGATGAAAAATTGGTTATTTCCGCCTTCACAA >Sequence 3592

CCGGTCAGGTACGCGGGGACATTCACAGGTGAGCCCAGAGCGGCTCAAGC GGACTGGGGAGAACTTCTGAGGATGTTCATGTCCAGGAGCAGCCCCACGC CCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCT CTCATAAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCC TGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTGAATC CATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCATGAC CACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAA GAAAGGTACCT

>Sequence 3593

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>Sequence 3594

AGGTACGCGGGATTGTCAGTGTCATTATAAAATAGAGGAGATAGTTTTAA

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Table 4

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>Sequence 3596

CCGGGCAGGTACAGCCAACATATTTCTCTTTTTGGCCAAACCCTGACCAC ATGCCACACGCAGATTCACTGTGCCATCAGCAAGATTGACATTGAAAAAG ATATCCAGGCTGTAATGGAAGAAACTGCAATTTTATCTACAGAAAACAAA TCTGAGTTCCTGTTAACGGATTACTTTGAAGAAGATCCTAACAGTGCAAT GGATAAAGAGAGACGAAAGTCTTTACTAAAACCAAAATTATTGAGACTGC AGAGAGACATTGAAAAAGCCTCAAAAGACAAGGAAGGCCTGGAACGAATG CTTAAAACGTACCTCGGCCGAGGTACGCGGGGAGAACAGTGCCGTGCTTT TCCACAGAAGGTTAGACCCTGAAAGAGATGGCTCAGCACCACCTATGGAT CTTGCTCCTTTGCCTGCAAACCTGGCCGGAAGCAGCTGGAAAAGACTCAG AAATCTTCACAGTGAATGGGATTCTGGGAGAGTCAGTCACTTTCCCTGTA AATATCCAAGAACCACGGCAAGTTAAAATCATTGCTTGGACTTTTAAAAC ATCTGTGGCTTATGTAACAGTAGGAGAATAATAAACAGGAGNGGTAGTTA CTGCCACCCCCCCCCTATTATGAAAGGTTANATGCTTTAGGTTCGAAC TACAATTTGGTCATTAANGATTTGAGGATGGGAAGAGAGAGAGTTTCAAA GGAGACATAAATCACCAGCTGATCCCTACACCCCACGAAGCGCTTCAT >Sequence 3597

>Sequence 3598

> Page 725 of 990 of Table 4

Table 4

>Sequence 3599

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>Sequence 3600

>Sequence 3601

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ACCTCCGCACCTATATCATGCCTGCCCACCTTCAGACAGGCGTAGATGAT
GTCAAGGGCGTCTTCTTCGCCTGGGCTCAGAAGGTTGGGCTGTGAGGGCT
GTACCT

>Sequence 3602

GTCTGGGATGCCAGTGGCCCTGCTAGATGCATCATAGATGAGGAGCCTGGGCCCAGGCCAGGTTTCTGCTGGTACCTGCCCG

>Sequence 3603

>Sequence 3604

CCGGGCAGGTACAAGCGATTCTGCTGTCCCAGCCTCACAAGTAGCTAGGA TTACAGGCATGTGCCACCACATCTCTACTAAAAATACAAAAATTAGCCA GGCATGGTGGCAGGTGCCTGTAGTCCTAGCTACTCGGGAGGCTGAGGTGG GAGAATGGCGTGAACCCAGGAGGCGGAGCTTTCAGTGAGCCGAGATCACG AAAAAAAATATTTTCTCCTCTTTAAAGATTTCATCTTCAGATAACCCCA TACTTATCCACATTACCCTACTGGCCTTTCTCTGACCGGATTGAAGATAA GAATTAAAATCATTTAAGGAGATTTTAGATCTATGTAAGACAGAGTAATC TGTTCCTAGTTTGTCTGAATTTGTGTTTTCATAAAACATTGGTTTA TTAGGAGAGAAACATTTTAAATATTTGAAAATACATCTTCATTTAAAGCT AAGAGGTTAATTTCATTGTGGTAAACTGGGATGTGAAGACTTAAATTTAT TAACATTAATAGAAGCAAAAGCTTAAATTCTAAACCATTAAGATAATCAT TCATTAATATTTACTTACGGGCCGGATACCTTTGAAATAAAGTCCTTGGC CCCGACCCTGGGG

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Table 4

>Sequence 3605

>Sequence 3606

>Sequence 3608

>Sequence 3609

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Table 4

>Sequence 3610

>Sequence 3612

>Sequence 3614

CCGGGCAGGTACGCGGGAGTGACTGCAAAGCCAGAAGCAGTGGCTCACCC

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Table 4

>Sequence 3616

AGGTACCTTGCAGGGCTGGGGTAATGTTCTTCAGGAGATTATACATGCCC
CATGTCAGCATCCAATATATGATGCTGTTTCTACCATAGCCAAGATTCAA
GAATCAAGGGGTGGAAATGGGAGCGGCACCAGTTGCCATTACCCCTAGTC
ATCCATTAGCATAATTTTTGCTTCCTGTTCCTGTTCCTGTGGCCTTATGC
TCTGCTGGTCTAGGGGTCTTAGTGGCTCTTCATTAATGTTGTCTGACA
CTTAGGCCTTTCTGTCTGCAAACTTGAGTCTTCCTTGATGGACAACAGAG
CATGGAATTATTTTTGGACCAGAGTCTAGATTTACCTAGTCTGTGGAGTC
TAGAAGATTGCTGCGTAATATGGAACAAGTTACTTTGTACCTGCCCG
>Sequence 3617

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CCCCATCTCTACTAAAAATACAAAAAATAGCTGGGTGTGGTGGTGCAG
CTGTAGTCCCAGATACTTGGGAGACTGAGGCAGGAGAATCGCTTGAACCT
GAGAGGGGGAGACGGAGGTTGTAGTGAGCGGATATCGCACCACTGCACTC
TAACCTGGGCGACAGAGCAAGACTCCATCCCCAAAAAAATCACTACTCTA
TACTTCTAAGAATCTTCTAAGAATCCCTGCTTCTTTTTAGTGCACATGAG
CTTGGTTCCTCAGGCAATTATTTTATAATCTTCATTGCTGGCCATAATTG
CAGTGCCACCAAATTACCACTGCATCACAAAATGGATTTGTAAAGAATAGT
CACCCATACTTATAAATGATTTGCTTATAAAAAATATCTGGTAAAGCCGGG
CGCAGTGCTCACGCCTGTAATTCCAACACTTTGGGAGGCTGAAGCAAGTA
GATCACCTTGACTCCCGACCTCCAAAACCAGCCTTGCCAACATAGAGAAAC
CCCGTCTCTACTAAAAGCACCTGGCCG

>Sequence 3618

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Table 4

AAGGTTTATTTG >Sequence 3620

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Table 4

ATCTCAAAAAATCACATTCCAGATTACTATATGTTAGTTTG

>Sequence 3623

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CTTACAAAATACTCATTGATTTCACAGCATTAGAATCATCAAGGTAATCA
AATGCAAAGCAGCTGTGCTATGGGAGGTAAAGAAACCCTTTTCCATTGAG
GATGTGGAGGTTGCACCTCCTAAGGCTTATGAAGTTCGCATTAAGATGGT
GGCTGTAGGAATCTGTCGCACAGATGACCACGTGGTTAGTGGCAACCTGG
TGACCCCCTTCCTGTGATTTTAGGCCATGAGGCAGCCGGCATCGTGGAG
AGTGTTGGAGAAGGGTGACTACAGTCAAACCAGGTGATAAAGTCATCCC
GCTCTTTACTCCTCAGTGTGGAAAAATGCAGAGTTTGTAAAAAACCCGGAGA
GCAACTACTGCTTGAAAAAATGATCTATGCAATCN
>Sequence 3624

>Sequence 3625

GGTGGCTGGTGACCACCACAGAGGGAGGATCTTGCCGGTCCAGGATATTT TTGCTGTATTTCAGGTATTTCCGCAAAGTCGCAGGGCACTCCTCCCAG GTAAGCCTTGGCCCGCTGCACGTAAACTGGTTCTGCCTCCCACTTCTGCT TGGTTATCTGGGCTGCTGGGTCGAAGGGGACCCAGGCTGGGATTTCTTTG TTGAATTCAATGTAGTCCTTTCCATCATAGTAATATTTCCAGAATGCTCC GCTGCTTCTGTTATTCTCGATCTCACAACCAAACCTTCCCTGCAATACGT GAGACCCTGAAAACTCCCCCGACCCCACAGAGAGACAGTCAGCCTGGTGA GAAATTTATCAAAATAACTCTTAGTCTTGCACATTGGGCAACCCAAAAGA AATAAAGGTTTTTGCAATTCAAGCATGCAATCCCTTTATCAAGACAAATA GGTTATTACTCCAATTTATACAACAGACAGAGAGGGGCTAACTCAGTTTG GTTTGGCATTTCAGGTTTGTCTCAGATGAAATATGTTCCTCCTTAAAAGG CTACAGCCTGGGCGCTGTGCTCATGCCTGAAATCCAACACTTTAAGAAGC TAAACCAGTGGACGCCGACCCCAGGGGCCCAAACCACCAGGGGATTTGG GAAATCCCCCTTCAAAAATACAAAATTCCCAATTGGGGCCAGCCT >Sequence 3626

AGGTACTTTTTGTTGTTTTTTTTTTTTTATCTAAATCAATTATTTGTATA AAAATTCCAGACTTTTATGAATTATATGTTCTCTTTAATAAAATTCACGT GATTCAATTTAAGGTTTGTAAGAATAATATAAAACATTCTTATTCCTGGC TGGGCACGGTGGCTTGAGCCGGTAATCCCAGCACTTTGGGAGGCCGAGGT GGGCGGATCATGAGGTCAGGAGATCGAGACCATCCTGGCTAACATGGTGA AACCCCACCTCTACTAAAAATACAAAAATTAGCTGGGCGTGGTGGCAGG CACCTGTAGTCCCACCTACTTGGGAGGCTGAGGCAGGAGAATGGCGTGAA CCTGGGAGGCAGAGCTTGCAGTGAGCCGAGATCACGCCACTGCACTCCAG CAAAAAATTCTTATTCCTTACCTGAAAGCAAGTTTTGGCTTTTCTACGAA TTTCACTTATTTTAAAATCACATTTATCTTTCCTAAGTTGTTTTAAAACG ACATGGGACTAAATCCCAAAACTAAAAATGAAAGGTGAGTTATAACATGA GTTACTATTAACAGGTATAAAAGAACCAAACGCAAGCTATACAGTCAACA GAAGAGCAAAAAAAAAAAAAAAAAAAAAAAAGTCCCTGCCGGGCGGCCGGT CTAAACTAGGGATCCCCGGCTGCAGAATCGATTTCAACTTATGATCCCG **CGACCTCAGG**

>Sequence 3627

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Table 4

GCCGAGGTACTGTGATTATGTAGGAGAATGCCTGTGTTATTCACACTGCA GAGTAAAGTGCTGTGACTTAAATGGTTTGGATGTTTGTCCCCTCCAAATC TCAAGTTAAAATGTGATTGCTGGCTGGGTGCGGTGGCTCACACCTGTAAT CCTTGCACTTTGGGAGGCTGCGGTGGGAGATCACCTGAGGTCAGGAGTT CAAGACCAGCCTGACCAACATGGTGAAACCCCGTCTCTACTAAAAATTCA AAAAAATTAGCCAGGCGCCTGTAATCCCAGCTACTCGGAAGACTGAGGCA GGAGAATCACTTGAACCCCGGAGGCAGAAGTTGCCGTGAGCCAAGATTGC ACCACTGCACTCCAGCCTGGGCGACAGGGCCGAGACTCCGTCTTTAAAAA GGTAATTAGAGAGAAAGAGTACCTGCCCG

>Sequence 3628

>Sequence 3629

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CTGTGCAGCAGGACCCTATGTTGCTTCCCTCTGACCTGCAGCAGAGACGT
GAGAGGTGATTTCAATCATAAATCTCTCAATTCACTACCCTGAACGTCAT
GGCCAAATGGAAATTTCAGAAGAGATTTTTATCACAGTCCTCAGATATGG
AGATCTGCTTTTTTCGTCCCAGCTTTCTTATACATTCAGTCTTCAGGTGT
GAGGATTCGGTTCATTCTAAGCATATGTTGGTGAATGAAGTCTTTGC
TTCACAGAAAGATCCATTTAGGGCAGATAATTTCCAGTTGAACCA
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CATGAGTCCTTGCTTTTTTCCCAAGGCCTTTTAGCCATTAAGGCCTTGTT
AAATGGGCAAAACAAGGG

>Sequence 3630

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CTTGGTCCCCAGGAGAGCATTGCAAAGGCTGTAGCGATGCTCACTGGGG
AGAAGAAGATATTGGTGCTGTTGGACTGGTGTGCCAGCTGGCGGTATAGG
CTGAAGGCGAACTCAGCCAGGTTGGGGGTGATCTTGTTGAAGGTTGGGTG
ATCCTGATCATGGTGGGATGTATCTGTCTTCTGGGCAACATCTCCCTGGG
GATCCTCAGCCAGGGAGACAGGGACCAGGCAGCACCAGGCCTGCCAGCAG
CAGTGGTGCCCCACGAGACAGAGACAGGGCCTGTCCTCCCCCGAT
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ACCCAGGGTCACCCCATTTATTTGGGGGAGCAAACAGGGGGTTAATTTAC
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>Sequence 3631

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Table 4

GAACTTCTCTAAAAAAAGAAAAAAAAAAGAAAGCCTGATGCACACAAATCTA . AATTTGGCAAGTCGATCAATTAAAGGATATTTATTTGCATCACAAAATAA TTCTTTACTTCCCCCAAAAATCAATAAAAAGTTCAAATAGCAACTTTTTC TAAAGTGTTTAAAAAGTAATCACCAAAATACATGTTGTCCCCCACTTTTT TTCCGGTTTAAAATCTATTGGGTAAAGTGAGGTTTACCTGAATGAGGGAA TTAAAAATTGACCCTTATACCG

>Sequence 3632

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>Sequence 3633

GGTGCGGCAGCTCACACCCGTAATCCCAGCACTTTGGGAGGCTGAGGCGG GCAGATCACAAGGTCAGGAGATCGAGACCATCCTGGCCAACACGGTGAAA CCCCGTCTCCACTAAAAGTACCTGCCCG

>Sequence 3634

CCCACTCGACCATTTTCTTACTATTGCAAACTTCTCTCTATTTGATGTTA CGTTTCTGTGCATTATTACAGTTTGTGCTTTTTTCTTTGTAGATAGGTAT

>Sequence 3635

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>Sequence 3636

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AGGTACAAACCCAGTTTGTTTTCAAAAAATCACAGTGGCAATGCAACTCA TCACTCTAGAAAAGCAAGCTTAGGCTACCTGAAAGATTTTCCCTTGGAAG TTTAGCGTATGTTTGACTAACAAGAATTCCCTACATCAGAGACTCTAGGT GCTATATAATCCAAAAACTTTTCAGCCTGTTGCTCATTCTGTCCCATGCT GGCAATAATACCTTGTCAGCCCATTACCCTTATTTTGAATTGCTCCATCT CCTGGTGGGACTTGTATCTTGTCTGCCCTATCAGAACACAAACCCCTGAA AAGGTTCCAGCCGCATTTTGAAATGAAATGACAAGGTGTATATTTGATCA ATTTTCATTCCCACCATTGCATTTCAACCTTTTAACTTAAATGGGTTACC CCTTAGGGCTATCAAAAAAAAACAAACTGCATTGATAACGGAATTGGAAAAA AGGAACCTACATTTATTTTGCCTTAGCATTC

>Sequence 3638

AGGTACTTTAGGAGACCCAGGCGGCAGATTGCCTGAGGTCAGGAGTTTG

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Table 4

>Sequence 3640

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GGTCTTGGGCTGGGGGCACCTTGATGATCTCGGTGTGTAGCGCAGCTTCC
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AAAGAAGGGGCCAAACTGGAATGTGGAGGAGGCCCGTGGGGGAATAAAGG
CTACTTTGTCCAGCCCACAGTGTTCTCTAATGTTACAGATGAGATGCGCA
TTGCCAAAGAGGAGATTTTTGGACCAGTGCAGCAAATCATGAAGTTTAAA
TCTTTAGATGACCTGATCAAAAGAGCAAACAATACTTTCTATGGCTTATC
AGCAGGAGTGTTTACCAAAGACATTGATAAAGCCATAACAATCTCTCTG
CTCTGCAGGCAGGAACAGTGTGGGTGAATTGCTATGGCGTGGTAAGTGCC
CAGTGCCCCTTTGGTGGATTCAAGATGTCTGGAAATGGAAGAGAACTGGG
AGAGTACCT

>Sequence 3642

>Sequence 3643

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> Page 734 of 990 of Table 4

Table 4

TCTACAAGTCAGTGTGATAAGATGNGAGCGTATCACGTCGTAAATACAGA CTAGAGTCTAAAGGACGTAATCTGGCAGTCTTCCACTCGTCGGGTGTGCG GACCGATTGATACCATGACCGCATGTGCACGAGGAAACGAATGCGGTCTA TGCTCAAGCGAACGCTTTCACTTAGGCCAAACACACGTATATATCTCATT GCCTGTCGCGCCACGCGTCTCATCATCCATACTAAACTTATGTTACGGAT TATCGTCTCTGTGCTCATGCCAAACATAATCTATCTAACTAGTACTTAAG CGTCTACTCGACATATACTTCATAATAATTCACTTACCAACATGTGCGCG TATAGCTCCTCGTGTGATTCACATCCATACATACACATGCATTATATCCT CTTTATTTATATATACACGCATCTGAAATTTATTCGGGCAAACATCATG GTACATACTAAAAATATATAGTGAGCATGTAAAGTATCGGTGGATACATC GATGCTGTAGAGACATTACTCATGTATTTTTACAGCATTTGTATAGTGGA ATTCGAAAGCTAGATCTTTATTGATAATTCACGTGGAGAAAGCCTTTTAT TATTTTTGGAAACTTTTCTCCAAAAGACAGAAGTAAATATATTTGGA AAAGCCCCTGAATTGCACCACAAAAATCCTTAAATATTTGGCCAAGATCC GATTCAAAATTTAAAAGGGATTATTTTTATTTTGGCCATTCAACAAAGAA AATAAATTTTCCTGTTTTAACCTCCAGAGCGGGGAAAAAATATTCCAAAT TAAAAAAAGGTTTCCAAAATAAGGCAAACCTTTTTTTCCCCTAAAATGC GTGTGTTTTACAACAATGGTTAAATTCTAACGACAAATTAACACTTGGTG GTTTCANACATAAACATGTTCCTTTGCGCAAAGATTAATAAAATTTCTTA ATTGGGGGGTAAAAAGGTGGAGTGGTATTAACTTTGGAAAGGTTGCAGGG **CCACATTTAATAATAAAATTTG**

>Sequence 3644

>Sequence 3646

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Table 4

CTGTTAACCTCTTTATGAGCATC

>Sequence 3647

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>Sequence 3648

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TATTACTGTTCAACATGGGACTACAGCCTCAGTGCTCAGGTGTTCGGCGG
AGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCTGCCCCTCGGTCA
CTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAAGGCCACACTG
GTGTGTCTCATAAGTGACTTCTACCCGGGAGCCGTGACAGTGGCCTGGAA
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AACAAGGCAACAAACAAGTACCTGCCCG

>Sequence 3649

>Sequence 3650

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Table 4

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>Sequence 3654

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>Sequence 3655

AGGTACACAAGAGGCCAGCCATTAAGAATTGTTATCAATACAATAAAA GGGAATACTTGGCCAGAGATCCTCTAGATAAGTAGCTAAAATGTGATCAA AAGGAGAAAGAAGAAGCAAATACACAAACGTTTTATGGGTCTTAATA AAAATAAAGACATCTCTGAACAAATGATAAAATCCCTTCCCTGAAAAATT TCAAATGAGATTCACAGAAATGCAGAAGCAGAAGAAACTTTAGATTTAGA AACATCTCATTTGGGCTGGGTGCAGTGGCTCACGCTTGTAATTCCGGCAC TTTGGGAGGCCGAGGTGGGCAGATCACTTGAGGCCAGGAGTTTAACACCA GCCTGGGCAACATGGTGAAACCCCATCTTTACAAAAAATACAAAAATTAG CCGGGCATGGTGGCATACGCTTGTAGTCCCAGCTACTTAGGCGGCTGAGG CATGAGAATCACTTGAAACCCAAGAAGTAGAAGTTGCAGTGAGCTGAAAT CATGCCAACTGCGCTCCAGCCTGGGTAACAAGAACAAGACGTTGTCCCAA ATTTTATTTTATAAAAAAAAAAAAAGTCCCTGCCCGGGCGGCCGTTT TTAAAACTGTGGGTCCCCCGGCTGGAGGAATTCGTTTTAACTTTATTGTT CCCGGGACCTTTAGGGGGGCCCCGTCCCCACTTTTGTTCCCTTAAGGAG GGTAATGGCCCCTTGGGGTAAAAAGGGGCTAAATGGTTCCTGGGGGAAAA **GTTTC**

>Sequence 3656

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Table 4

>Sequence 3657

>Sequence 3658

>Sequence 3659

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>Sequence 3660

AGGTACACTGAGCAAAGGAGACAGGGTCATTTATAACCTGATGTGTCCAC
TCTACTGCTGTGTCCAGTTTCCACTGGCTGGAACGGGCATCCTGTTTTCA
TTACTATAGCCTTGAAATATAGTTTGGGCCATGCGTGGTGGCTCGCGCCT
GTGATCCCAGCATTTTGGGAGGCCGAGGTGGGTGAATCACGAGGTCACGA
ATTTGAGACCAGCCTGGCCAACATGGTGAAACCCCGTCTATGCTAAAAAT
GAAAAAATTGGCTGGGCTCAGTGGTGGGCCCCTGTGGTCCCAGCTACTCG
GGTGGCTGAGGCAGGAGAATTGCTTGAACCCGGGAGCCAGAGGTTGCAGT
GAGCTGAGATCATGCCACTGTACCTGCCCG

>Sequence 3661

Table 4

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CCCATTCATCATGGATGCTATGAGTCAGCCAGGGGGGCAGGCTTGCCATGG
GTTTTGTGACACCCCCATCCAAAGCTCACCATGTTGCATCCCGCCCATTG
TCTGTGGGACCCCAAGTTTCTAGCCATGTCCAGTTCTTCACAAAAGCTGG
ATGCACATGCCAAGGCAAGCCATCCACAGCTGCTGGAAGGGTGGTGC
AGATCTAACAGTTGGAGCATTGGCCACCTCAGCATAGGTGTGAGCCCAG
TCCACAATGTTGTTGGAGCATGCCAACCTGTGGCCGAGCAAATAACTCCC
AAGAATTTGGCAGACAATTCCGGCCCTTGGACCTTGGATTTATTGATGGC
CCAACTGCACACTGCCAAATGCTGTCACAAGAGGGGCACCACCACTTCTA
AATCTCATCCTGATGACTACACCAATTATCAGGTTCAAGCCCCAGCTGAG
GTCTGAAGAGAGTGGGTTGATGAGGGCAGGAGCTGGAAGAACACTTTG
GAGACAGCAGGTAGATGAGACACGGCTTTATTCAGCCCCCGCGTACCT
>Sequence 3664

GGCGGCCGAGGTACCACGATGTATAGAGCAACACTGGGGTAAGGTCACTG TGGGATGGTTACCTGCTGAGACCTGTGCAAACGTAACACATGCCACCATG CCAAGGATGTGGCGGAACAAGCAGCCCTACCAAGGCTGGGCCCCCATGGA CTTTGTGCCTGCTGGGAG

>Sequence 3665

GGGTTAATTAACTCGTTGGCCTTGGCCTTTCGGTTGGGGAAACGGTTTTA
TTTTCCTTAAAGGGGGGAATACGGTTTTCCCCAAAAAACGGGGTTCCCCC
GGAAAAAAATTTGTGGAAAAAAGGCCCCAAAAAAGGGCAAACCCTCAAAAGG
CCCCTTTTTGGGGGTTTCCAAAGGCCCCCCCC

>Sequence 3668

> Page 739 of 990 of Table 4

Table 4

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TTTGGGAGGCTGATATCACAGGCATGAGCCACCATGCCCATCTGCAAATC
CAGTGTTCAAACAATTCCACACTGTAAATACAGCTCTCAAGATTGAAGGT
GTCTTAAGCAGCAGAGTCTTTATTATAATACAAACAAGGGAAATAGCGG
CAGGCAGGCTGTCTGATTTGTGACTGCAGGCTGGAAAATTCTATCTTAA
GAATGCTGTGAGGCCGGCACGGTGGCTCACGCCTATAATCCCAGCACT
TTGGGAGGCTGAGGCAAGTGGATCACGAGGTCAGGAGACCATTC
TGGCCAACAAAGTGAAACCCCATCTCTACTGAAAATACGAAATAGCTAAA
ACACGGGAAAAGGGTGAAATGGTTCCTT

>Sequence 3670

AGGTACGCGGGGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCG CCATCTCGGCTCACTGCAAGCTCTGCCTCCGGTGTTCAAGCGATTCTCCT GCCTCAGCCTTCTAAGTAGCTAGGATTACAGGCGCGCGTCACCACGCTTG GCTAATTTTTGTATTTTTAGTAGAGCCGAGGTTTCACCAAGTTGGTCAAG ATGGTCTCAAACTTCTGACCTCGTGATCCGCCCGCCTCGGCCTCCCAAAG TGCCGGGATTACAGGCGTGAGCCACCGCGCC

>Sequence 3671

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>Sequence 3672

>Sequence 3673

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Table 4

>Sequence 3674

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>Sequence 3675

>Sequence 3676

ACACCACGATCGCGNGACGTCGTGAATTGTCANGACGTGTGTCCACTTAG GGCGAGAGAGAGGCGGGGTGAGAGTGACGTGAGAGAGTTTAGAGTGTCGC GTGTTGACACAGANTNTNNAAGAAGGGGAGA

>Sequence 3677

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GGATCAGTGGCAGCATTAGATACTCATAGGAGCACAGACCCTGTTGTGAA
CTGTGCGTGTGAGGGATCTAGGTTTCGTGCTCCTTACAAGAATCTAATTA
ATGCCCGATGAGTTGAGGTGGAACAGTTTCTTCCCAAAACCGTCTCAGGA
AACCTGTCCCTGGTGCCAAAATTTGGGGGACCTCTGACGTAGCACACTAT
CTGGCACATACCAAGCACTCAGAAAATATCCCATTTCTCAAAACTCAGTT
CCAGTGTCAAGTCTTAATAGTATATTGATCTTGGAACTCCAAGGTAGTTG
GGCCTCTCTTTGTGCCATAAATGTGCCTTGTACCT

>Sequence 3678

>Sequence 3679

> Page 741 of 990 of Table 4

Table 4

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TCATTCTTCCACGGACCCCCTTTTATAATAATCCTCATTCACATTTTCTA
GTTTCTGAGGGGAAGAGAAAAGGAAAAAGGAAGAAGTGGAAATGCCGAA
CCCCAAGAGTAGGGCACAAAAAGGAAGGCGAAGCAAAACCAGCAGAGGGC
AAGTAAGCCCAAGGAGCATCGGAACCAGTCAATCAGGGAAGTTTTGGGCA
CCCTGGGGCTTAAGGGATCTAAGGGGTGAAATTCCAAATCAGACACAAG
GGTTCAGGAGGATAAACCAAGTTCCACTTTTCCGGGCAGCCAGGAATTCA
GCCACCTCGGGATTACCGGATTATTGTCGCAAAGCAGCTTAT
>Sequence 3680

GGGCCTTAATAAAGTATACTAACCTTACATTTAATTGCGTTTGCGTCTTA
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ATGAAATTTGGCCAAACGCTCCTGTTAGAAGGCGTTTGCCTTATTTTGGG
GTTTTTTTCGGTTTCTTTATTAATTGACTGGTTGTAGGTGGCTAATACAG
TTTGGAAAATCCTGTTTTAGTTTTCTTTAAAAGAGCGGATTATGTTTTTC
CAAAAATTTAGGGATAACCCCCGGAAAAAAATTTGAGCCAAAAGGCCCCC
AA

>Sequence 3683

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Table 4

>Sequence 3684

>Sequence 3685

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>Sequence 3686

>Sequence 3687

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>Sequence 3688

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> Page 743 of 990 of Table 4

Table 4

>Sequence 3690

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>Sequence 3692

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GAAAGGTCTTTATTAAAGATGACACTTGGGCTAATAGGAATAGTGTCCTG

Sequence 3693

> Page 744 of 990 of Table 4

Table 4

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>Sequence 3694

>Sequence 3695

>Sequence 3697

>Sequence 3698

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> Page 745 of 990 of Table 4

Table 4

GCCCGCCTTCCTGTAATTTTTGTCATTGTGCGATGTTTTATTATTATTAT TATAATACTTTGGATTGTTTTGCTATTTTATAAATAAAGAGAGACCTCAT TTTAGGATGGTATATATATTTTTATTACTACTATATTTCGAATAG TAGCTCCTCCGCCGTGGCGGCCCCGGGCAGGTACGCGGGGTTTAGAAA TGAAACAGTTAACACAATTTTAAATGTAGAAGATCATGCTGATGTTTTGG TATGTTCGGTTCTGCAAGATTACCCGCTTAGTAAAAAGCGAGCTCTTGTT CTCTGAGTTGCCTCATGCTCAAAAACCTTGACGGACAGCCACTTGACTTC TTTATATTTTCTCTACATATTACAGGCCAGACTTCAATCTTGGCACATTC CTGTTTCAGTTCGTAAACTTCTAATGATATTATTCCAGGCTATGTCAACA CAAGTTTCTTTACACAACCTAGCACCTGACTGCATTTATATTGGTAGCAA AGGCCACAGGTTTACCTTTTTCACCGAGACCAATTGGCTAATAAGCCCTT CTTCTACTGCTTTTCCCTGGCTTTACAATTTTCCCACCCTTTGGCCCCAA CTTAACAAAACTTCTTTTTCCACAACAAGCATGCCACCCAGGGGGGAAT TTCTTTTTAAAAGGGAATAAAGTCCAGCCTTCATTATTCTTCTCCTTCTG GCTTAAAAATCCCTTTTGTGGGGCTTTCCCAATCTTCAACTTAACAATAA ATGTTTCCAATATTTTCCTTGAACTTGTGACCATTAAAGGGGTTCCTGGT AATTTTGATTGCGTACCTTCCCAAACCCTTTTTTTTTTCCTCAGAAAGTA TATCCCCATTTTGAAAAGTTATTTTTTTCAAAAAAGACAGCTAGGATGGG **GGAG**

>Sequence 3700

>Sequence 3701

> Page 746 of 990 of Table 4

Table 4

TCATTGTTTTAGCTACTGAGTGTTGGGGTTATTTGTTGTACCTT >Sequence 3702

>Sequence 3704

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Table 4

AGTAATTTTTTTGTATTTTTAGAAAAGACTGGGTTTTGCCATGTTGGCCAGGCTGGTCTCAAACTCCTGACCTCAGGCAATCCACCTGCCCTTGGCCACCCAAACATAATCTCCTGGGATTCCAGGTGTGATCCCCTGCACCTGGCCCACCAAACATATTCTCATTTGGTATTTAAAAAATGTCCCTAAGAAGAAGTATGTTTCATAAAGCACGTCTACACTGTATATCTAGGATGACATCCTTCACCAAACCTAGTACCTGCCCG

>Sequence 3707

>Sequence 3708

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ATTATACAGTTATATGCTTCCAAAAGACAATAGTGGGACAAACAGGATAG
ATATTCCCACTCCAAAATGGGGCAACAGGAAAGAACAAAGGGCTAACAGG
TTCTAACCAAATCCAAACACCTCAGATAAACAACAAAAAACTCAGTAGGG
CAAACATTAAACCCTGAAGCTTGGGTGTAGTCTTTTACTCCCATTTCTCA
TTTTCTGGACACACTGGGGTGGAAGTTGGACCCCCAAGGCTCCAGGCAAC
CCTACTTCATCACATTGCTGGCTGCATTTCTTGTGTTTGGAGTTGCATG
CCTTTGGGTCTCCCAGCCTGGAGTTGCACCCTGGTGGCTCTACTGGTCTG
GGGTCTTGGGATGGCCCTGCCTGGGCAACTCCACTAGGAATTGCCCTGAT
GGTGACTCTCTGCATTGGCCTCACTCCACGGCTGTGGATATTATTTAGA
TACCTTACTCATTGTTAAAAACAGGAACTAATATTTCCAATGAGCATATC
GCGAGACAAATACTTTATATATTCTGGGTCTTTCAATCCTTCAAGTAAGG
ATAATTTTCATTTACAGAGGAAGAAACCAAAAGCTCAAAGAGGCAAGTAA
ATTAATCAGGACCGAAACACAGGATTGTAAAAATAAAAATAGTTTGTCATA
GTTTACCATTTGGCATGG

>Sequence 3709

>Sequence 3710

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PCT/US01/00798

Table 4

>Sequence 3711

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>Sequence 3712

>Sequence 3713

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>Sequence 3715

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>Sequence 3716

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Table 4

>Sequence 3717

>Sequence 3718

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Table 4

>Sequence 3720

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>Sequence 3721

>Sequence 3722

>Sequence 3723

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Table 4

>Sequence 3725

>Sequence 3726

>Sequence 3727

>Sequence 3728

AGCGTCTGCGGGGCCGCTTCCACCCTCAGCGGATGATAATCTCAAGACA

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Table 4

CCTTCCGAGCGTCAGCTCACTCCCCTTCCACCCTCAGCTCCACCCTCAGCAGATGATAATATCAAGACACCTGCCGAGCGTCTGCGGGGGCCGCTTCCACCCTCAGCGGGATGATAATCTCAAGACACCGACTACGGCGGACTAATCTTCAACTCC

>Sequence 3729

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>Sequence 3731

>Sequence 3732

CCGACTAACTTCCTTTAACACTAACTTGTTATAATCACTTTGTTCTACGT CTCTTATAATTATAAAAATTTCTATACTACATTCCAAATTTCTTATCNCA TACACAGAGAAGTGGTGAACGGGATCGTATACACCTA

>Sequence 3733

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> Page 753 of 990 of Table 4

Table 4

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TCTCAGTAATGATAATCATAGGGGGGGTTTGGGAGGGG

>Sequence 3735

>Sequence 3736

>Sequence 3737

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CAGGTGCCTGCCACCACCCCCGGCCAATTTTCTGTATTTTTAGTAGAGAC
GGGGTTTCATCATGTTGACCAGCCTGGTCTCAAACTCCTGGCCTCAAGTG
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CCAGGTCATAAATGATC

>Sequence 3738

>Sequence 3739

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>Sequence 3741

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> Page 754 of 990 of Table 4

Table 4

>Sequence 3742

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>Sequence 3744

>Sequence 3745

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TGAGTGAGCAATG

>Sequence 3746

> Page 755 of 990 of Table 4

Table 4

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CCAGTTGAATTCTTGTGGGCATTCTGGATAGCTGGAACAAGCTTAGACAT
GAACCCAGACAACTTGCAAATTTCAAGGAATTTCTACTGGTGTATTTCA
TAGGATGCTCAGTGAAAGTAGCATAAGGAACTTCAGTGGACCATGGGTTC
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GCCTTCTCCTTGTCTCTTGTCCAGGGACATCCCAGGGAAGGTGAACTTGC
CCAGGCAGATGCGATAGACAGCGCTCAGAGGAATCCGCTGCACA
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GACCAGTAGAATTCTCTCCTTCTCATTGTTCCAGTGGTCTATCTTTTGCCA
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ATCCCC

>Sequence 3750

>Sequence 3751

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CAGCTGTAGCAGGGGCCCTGGTCTATGCTGAAGATGCCTCCTCTGACTCG
ACGGGTGCTGATCCTGCCCAGGAAGCTGGGACCTCTAAGCCTAATGAAGA
GATCTCAGGTCCAGCAGAACCAGCTTCACCCCCAGAGACAACCACAACAG
CCCAGGAGACTTCGGCGGCAGCAGTTCAGGGGACAGCCAAGGTCACCTCA
AGCAGGCAGGAACTAAACCCCCTGAAATCCATAGTGGAGAAAAGTATCTT

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Table 4

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TGCCAAGTGGAAAACAATTCATCGAAAATGGAAGTGAATTTGCACAAAAA
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GAATGGGATCATTGGACTTAAAGCCTTAATACCCTTGTGCCCCAAAGCTA
TTAAAACGAAAGCATTCTTTAAAGAAAAAAGAAACGAAAAAAAGGGACCT
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>Sequence 3752

>Sequence 3753

CGCTCGAGGTTACCTAGTTTTACTCAACAGATTTAAGAAAAAATAGGCAG ACAAAAAAACAAAATTTTTAAGGCAGCTCCAGGGATCGAGGGGGAATAA GCAAAAAAGGATTCGCAGCAAGAAATTTTTGGTGACCCCTCTCAAATCA CATATTTCCCCTTCAAAGACTTTCCTATAGAAAATAGATAACACCGGCTT CTTCTTCCAGAGCCAGGATACTCTAAAGCCTTCAAACTTCTTCTAAAT GGCCCTTCACTTTTCAAAGGTATTACCCTTCACCTTTTTAACGCCAATTA TGAATTTTATTAACCTGGGAAAAAGGAAAATTTGGGGGGACCACCATGGT ATTTTGGGGGGATTAACCAATTTTTTAAAAACAACCATTTTTAATGGAAA AAAAGGTTTTGGGCTAAATTTTTGGAAAACCTCTTTTTTTAAATTTGGGA ATNTTTTTTTTGGCGTGGGGGGAAAGTTAAAAAGAAAATTTAAATTTC TTTAGAGCGATTGGCCAAAAATTAAAAAATTAATTCCCCTTTTTAAATTT TGAAATCCCGAACTTTTGGCCCCAAAAATTTTTAAGAAATTTTTAGGGGT CTTTTTATAACTTTATGGGTGATTCCCTTTTTCCTTTTTTAA TTATTTGGAAAAAATTTGAGAATTTTCCTTTTTGGCACCTGTAGGTTCG CCCCCAATTTTCCTGTGGGAAAATTCGCCAAATGTGGGCCGTCTGAATT CTCTTTTGAGATATTTAAAATATAGACAAAACTCGTTCCTAAAACACTAT ATCGGTGGTTTTCTAAAAATACCTAAATTCTTTTTTATTGGTGCCTTTTA AAAACCATTCTCCCAAGACACTGATATATTGGAAAACCTTCAAAAAGCGA CGTTGAGCCCCCATCCACTAGGGCCTCGGAAGTTAAAAATTTTTTCGGAC CTTATCATCTAATTTTTATATACAAAGAGTATTTTCTACCCATATTTA TGTTCCCCTGCTCTG

>Sequence 3754

> Page 757 of 990 of Table 4

Table 4

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>Sequence 3755

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>Sequence 3756

AGGTACGCGGGGGGGGGGTTGTGGGTTGGGTGTGGGGGGAAACT

>Sequence 3757

CCGGGCAGGTACGCGTTGGTGACCGGGGTAGAGCGCTCGGGTGAGGAGCT TTTTGCTTTTGCAGGTTCGAGCGATTCGAGCTCCAGCTAGGATGATCGA GGTTGTTTGCAACGACCGTCTGGGGAAGAAGG

>Sequence 3758

>Sequence 3759

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>Sequence 376 i

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GTAGGGGCAGACTGACACCTCACACGCCCGGGTACTGATATTTCATTTTT
TTAGTCTTATTGGTTTAGTGTTCACAATAATCTTTTATTCTCTTTCTGAA
CATTATTTTCTATAGGAAAACTGAACAAACTACTCTTAACACTCTGTTCT

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Table 4

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AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGTTTGCTGCAAACCTACTT TATTATGCACCGGGATGTTTCAAGTATCACAAACCATTACAAAGCAATAT AATCACCCTCCTTCCCCCTTACTGCTTCAAACTATTGGGGTAAAAATAAA TAAATAAAGCCCTGGCGTGGTGGCTCACGCCTGTAATGCCAGCACTTTGG GAAGCTGAAGCGGGTGGATCACCTGAGGTCAGGAGTTCGAGAGCAGCCCG GACAACATGGCGAAACCCCGTCTCTACTAAAAATACAAGTTCGCGTGGGN NTTTNTNCTAATTAATTGTTTGGTATAACAAAAACCTTTTACAACAGTGA AATTTTGTGAAAATATGGTTGTATTGAATACTACTGAAGGAATTGAACGG AGATATATGAATGGGTGATCATGAAGGGGCCCATTTTATAGGTTTATTAA ACGTAAATGTTTTAAATTTCCTGAAGATATATAAGAGCATTAGAGATCAC TATAATTTTTTACCAAAAGTTAATCTACCTTATGGATTCTTAAGATATGT TTTGTTGTTGATTAATAGATTAAATAGTTCATTGACATTATTTGTTCATT TTGATAATTAACATTAACTAATTTTTGTATATTTTGTAGCAGTATTTA **ATTCTTAACG**

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>Sequence 3764

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GGCCCCGGGAACCCAAACTTTTTGGTCCCCTTTTAATGGAAGGGTTAAAT TGGGACCCTTGGGCCGTAAATCATGGGCCAATAGCTGGTTTCCTGTGTGG AAAATTGGTAATTCCGTTTAACAATTCCCCCACAAACATTACCAGCCCGG GGAGCCATAAAATGGTAAAACCCTGGGGGGGGCCCTAAAGGAGGGGGAAG CCTAAACTAAACAATTAATTTGCGTTTTGGAGCTCAATTGCCCGGTTTTTC CAAACGGGGAAAACCCTTTTGTGCCCAGCTGGAATTAAAGGAAATGGGGC AAAACTCCCCGGTGTAAAAGCCCGTTTTGCCATATTTGGCCGCTTTTTTT CGCTTTTATTAGGTTAAAATTGGAATTACTTTGGCCTTG

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> Page 759 of 990 of Table 4

Table 4

>Sequence 3767

>Sequence 3768

>Sequence 3769

>Sequence 3770

>Sequence 3771

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Table 4

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TCTTTGCCCTTTTTTGCAAGCCCTCTATCTTACCCTTTCCAAAAATCCCC
ACGCCCCTCTCAATCCCTATTCCTACTGTGGAGTCACCAGACACTTCGTT
CCAATCTGGGGCGTTCTGCCTCCATTGCCTTTTTTATCGTCGCCTTTCCG
ATATTTTCCGGGTCTCCCTCAAATATCCTCCATTTTTCGTTATTTTTCCC
GTATTATTTGAATTACCTCTTACCCTTTTTGATATACCCAATATCCCTGG
TAACCCTCCCTTTTTACCAACAACTCCTCTTTTGTCTCCCCTTTCCCTTTC
GCTCTCTAAATTTCACCTTTCCCTTTCCATACTTCCATTTTCTTTTAATC
ATGTTCCTCTCTACCCCTATTACTCTGC

>Sequence 3772

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>Sequence 3774

> Page 761 of 990 of Table 4

Table 4

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>Sequence 3778

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Table 4

>Sequence 3782

>Sequence 3783

>Sequence 3784

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Table 4

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>Sequence 3785
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TCCAGAGATGGCTTCAAGGTGGCGAATTAACAACCCGGCCATTGTTGAGA
TGACGTCAGCCTGATGTCCAGGTGGACTGGGACCCAAGGTGGCCACCAGA
ACAAGACACGAGGACATTGTGCCTGCCCG

>Sequence 3786

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CCCCATAAAGCCCCACTGCGTGGACCTCATCCACGAAGGTGATTGCTCCA
AACTCATGGGCCACATCACACAGCTCTTCCAGTGGGCACACCGCCCCATC
CATTGAATGGACAGTTTCAAATGCCACAATCTTGGGGACTGAGGGGTCAG
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T

>Sequence 3787

>Sequence 3789

>Sequence 3790

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> Page 764 of 990 of Table 4

Table 4

>Sequence 3791

>Sequence 3792

>Sequence 3793

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> Page 765 of 990 of Table 4

Table 4

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TGCTCTGGAATGCCCTCCCTGCCAACGCACAGAGCTCTCCAGCCTCGGG
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TGTCCTTGGGTACCTT

>Sequence 3797

>Sequence 3798

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Table 4

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>Sequence 3799

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AAGGAGCTGAGATTTCAGAAGAGAACTCGGAAGGTGGACTTCATGTTGAT
TTAGCTCAAATTATTGAAGCCTGTGATGTGTCTGAAGGAGGATGATAA
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AACCAGACAAGCAAGAAGCTTTGATTGAAAGCCTATGTGAAAAGCTTGGT
CAAATTTCGCGAAGGTGAACGCCCGTCTCTGAGACTGCAGTTGTAAGCA
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>Sequence 3801

>Sequence 3802

>Sequence 3803

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Table 4

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>Sequence 3806

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>Sequence 3807

>Sequence 3808

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> Page 768 of 990 of Table 4

Table 4

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>Sequence 3811

AGTTTCCCCCACACCAAGTCGCCGAGCCGCAGACTCACAGCCGCCATCTT ACCACCCAACCACCGCCCCCGCGTACCT

>Sequence 3812

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TACTGTAGCCACTGCTGGGACCCGAAGACTGGCCCATGTATCCCATTCCC
CAACAAAACTTCACCACAGCTTCCACTAACAACCACATGCTAAGCCACTG
AGTAAATCACAGACAAAAATGATGCTGTTTATAGTTGAAGAAATCATACA
GCGATTACACTACTGCACATGCCCAGAATCAAAGCCAAAGCATCCTACCC
AATGAACACTATGCATACATTTTCAGGAAAAGTCCTCCCCTATGAAAGCA
AATTCAAAAAATTGGAAAAAGCAACTGTTACACAAGATGACACCTCCAAA
ACAACACAATAATTTTCCAGCAACATATCCCAATCAAAAAGAAATTTACA
AAATCCTGGGGAAAAGAATCAAAATTTTGACACTTAAGAAGCAAAATAT
TGAGGCTGGGTGGGCTGGCCTATGTCTGGAAATCCCACCCCTTTGGGAAG
CAAAAGCAGGAGGATAAACCCGAGGTCAAAAAGTTTGAGGCCCGCCTTTGGC
CAAAAGCAGGAGGATAAACCCAATTT

>Sequence 3813

AGGTACTTTAGGAGACCCAGGCGGCAGATTGCCTGAGGTCAGGAGTTTG AGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAA AATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGG TTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCC

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Table 4

>Sequence 3814

>Sequence 3815

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>Sequence 3816

>Sequence 3817

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Table 4

CAGTCTCCACTGCTGCCTCAGTTAGCAGGTTGCTTAGACATCGAAGCACG GGGCATGCCAGCACCTCCAGTCCTGCATCCTCGCTTTTCTGGACAGCCCC AGCCAAGTCCAACAGCAGCAACCCCAGAGTAGACAGAGCCCCATGGCCAA TGAGCAGAGGATTGCTGACCTGGCTGCAGATGATGTAATGAAGGCACCAG GCAAACCCCGCGTACCTGCCCG

>Sequence 3818

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>Sequence 3820

TGCCATTGGGGCCTTTTCCTGATAAAGACCCGTGGCCCGGGGTT
TTGATTTGGGAAAGGGGTTACTTCTCTCAAAGGGGGGTTTCGG

>Sequence 3824

TCCGGGCAGGTACTTTAGGAGACCCAGGCGGCAGATTGCCTGAGGTCAG GAGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAA ATACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCT TGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCA GTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAAGAC

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Table 4

TGTAATACAGATTTTAAACGTATTCATTAATATTAATAACGTGTACT AATTATTTTTTTATATATTTTTATTTTTCCTTTTCTCATTTGGGGGTTT CGGGCAGGTACTGGAAACAATTCTTTTTTGGATTTAACCTTCCTCTACTT ATAAATGTAGGAAGAAGGTCATATTTCAACACTAATTTTAGTAATGCTTT ACATAGGAGTCCTTATAAAATATTTACTTAAAATTCACAATTTACTAGAT GTAGTCATATAGATCTAACACAGCGCTTAGAGACAAACTTTATTGGGGCC TTAATGGATTTATAGGAATATAAAGTTATTACAACAAGAACAGGATGTCA CCAAAAGAGTTCACCTGGTCGGCTGCTGCAGGACCATCTCACAGGCATTG TTTGCTTTGGTAAGTTCACCATGATCCAGGGCATGGCCTTAAATTTCAGA GGTCTTACAACCCGATCTTGCCCATGTTTTTAAAATTCATCGAAATTCAA GAAGGGAAATCGGGCCTTATTACATCCATAAGACTTAAAAAAGCCCAACT TTCCAAGTTTCAGAACCCCCAGAAAAAAGCCGGGGAGCATTGGAAAATAA TCTTTTCATGGTTTCACCCGGGGAACTTTATTTGAAAGGCCCACGGAAAT GGAGTCCTACTGCAATCACTAAAAAACTGGTTAGGGGGGAGAAAAAATT CTCTACTTTCCCGAAGAGAAGGTGCCACTTAGGCCGCTGTATCCGAAGAG GTCCGAGGGTAAAAACCCCCTCCTGGCCCTTTTAAATTATGGACCCCCGG CTTCGGAATTTTTTTCATCTTTGGAACT

>Sequence 3827

> Page 772 of 990 of Table 4

Table 4

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>Sequence 3828

CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGG AGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAA TACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTT GGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAG TGAGCCGAGATCGCACCACTGCACTCCAGCATGGGCGACAGAGCAAGACT GAACTTCTCTAAAAAAAAAAAAAAAAAAAGAAAGCCTGATGCACACAAATCTA AATTTGGCAGGTCGATCAATTAAAGGATATTTATTTGCATCACAAAATAA TTTCTTTACTTCCCCCAAAAATCAATATAAAGTTTAAATTGCAACTTTT CCTAATGTGGTTAAAATGTTATTCCCAAATTCCTGTGTTCCCAACTTCTT TTCCGTTATAATTCTATTGGGGAAAGTGAGGTTTACCTGAAGTGAGGCAA TAAAAAATTGACCTAAAACCTCCTTGAAAAAACCTGTTTTTCTTTAAATC CCGGAGCTTTAATTTTTGGGCAAACGGTTTTTTGGTAAATTTTTTACCCGG GTTTTTTGTTCCTTTCCCCGGGGGGGGG

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>Sequence 3830

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>Sequence 3831

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Table 4

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>Sequence 3833

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>Sequence 3834

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Table 4

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AAAAAAGTAGGTGCCATTACG

>Sequence 3836

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>Sequence 3838

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Table 4

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>Sequence 3839

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>Sequence 3840

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TAGGACTCAAAGCCATCTGAAGCACTTTCATGCTGGCAACGTTAAGGAAC
AACATCCATGTGATTAACAAGAGCAGCCTAGTCCAGGAGGGTTGCCAACA
GCAGGCAGAAGTGTGGCATATCTGGATAGGCAGTTATTGTTTTAACAGGG
TCAAGATTAATGGGCAGGTGTTCCGCGGATAATCCGGCTCCCGGCCCAGGC
TCCCAGCGCACCCGCCTCCCCGCGTACCTGCCCG

>Sequence 3841

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>Sequence 3842

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Table 4

>Sequence 3843

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>Sequence 3845

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TCAGGCAAAGCGTCCGGGCAGCGTAGGCGGCGCCCGGGCAGGTACACTGT
TCAGGCAAAGCGTCCGGGCAGCGTAGCCGGGTGACCTTGGTTAA
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CCCAACCTTCAACAAGATCACCCCAACCTGGCTGAATTCTCCTCC
CCAAAGAGCATCGGCTCACCCCAACCTGGCTGAATCTTCTCCC
CCCAACGTTGCACACCCCCAACCTGGCTGAATTCTCTTCTCC
CCAAAGAGCATCAGTTCAACCCCCAACCTGGCGGACCAAGGT
GACCCTCACGATGAAATCCCCGGGGGCCCCGAATTCAACCTAACGGAAATC

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Table 4

CGGGGCCCAAAACCTTAAGGCTTCCAGAACTTCTTCGGACCTTGGCGGT TTAAAACTAGGGATCCCCCGGCGGGAGAAATTCCAATATTAAACTTATTG AACCGGCGCCTCAAGGGGGGCCCGGACCCCGCATTTGGTCCCTTAAGGG GGGTAATGGCCCCTTGGATAAAAAGGGACAAATG >Sequence 3846

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>Sequence 3847

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>Seguence 3848

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GGAGGAAGTCTGGGTGGGATGTAATGAGGACCTGCTAGAATTTGGATCAC
TTTTCAATTGAAGTCAGGGTATTGTGCATAATAGAAAGTATTGGACTGAGA
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>Sequence 3849

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Table 4

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>Sequence 3850

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>Sequence 3851

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AGGCCAAGGCAGGCGGATCACCTGGCCCCATCTTTCTACAACTGGGAAAA
TTCTGAGTTCTGGAACCATCTGCCCAGGGATTTGGGGTCAGAGATGGTGG
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GAGGACCCTTA

>Sequence 3852

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CTCCACCCAGCCACATCTTGTGAAAAGAATGGCCACTTCTTGGGGCACAG
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AACCAGCAGACTTGGTTTGAGGGTATCTTCCTGTCTTCCATGTGCCCCAT
CAATGTCAGCGCCAGCACCTTGTATGGAATTATGTTTGATGCAGGGAGCA
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CTTCCAAT

>Sequence 3853

>Sequence 3854

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> Page 779 of 990 of Table 4

Table 4

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>Sequence 3855

>Sequence 3856

>Sequence 3857

>Sequence 3858

>Sequence 3859

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>Sequence 3860

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Table 4

TCCAGCCTGGGCAATGACAGCGAAACTCTGTCTCAAAAATTATATACATA
TATATTTTTTTGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCAGCACTTT
GGGAGGCCGAGGCAGGCAGATCATGAGGTCAGGAGATGGAGACCCTCCTG
GCTAACACGGTGAAACCCCGTTTCTACTAAAAAATACAAAAAATTAGCCAG
GCGTGTTGGCGGGCGCCTGTAGTCCCAGCTACTGGGGAGGCTGAGGCAGG
AGAATGGCGTGAACCCAAGAGAGGCGGAGCTTGCAATGAGCTGAAATCGC
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>Sequence 3861

>Sequence 3862

CCGGGCAGGTACGCGGGGGCCATTCCGCTACTGCGCAAAGATGGTGGAGG AGGAGAACATCCGCGTGGTTCGTTGTGGCGGCAGCGAGTTGAACTTTAGG AGAGCTGTGTTCTCTGCAGA

.>Sequence 3863

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>Sequence 3864

>Sequence 3865

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ATATTCCTGGATTATCTTGTCTTCCAGGACCTTGTATTCTGGAGTTCCTC
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GTCCCAACACGGGCATGCAGGATGCGGTATTCAGCATAATCTGTCTCAAA
GTCCTGCTCATAGGCATGTTGCTGTTCTGCACTGTGGATGCCCTGTATT
GCAGGAGGTAGTCTGGTATATCTTCAGGACTTGGGGATTCAGAATCTTCT
TGAACTGAGGAACTGTGTTCTAATCTGGGGTCCATGTCCTCATCTTCTTG
CTCCCAATCTTCTCCCTCTTGTAAATCCTGATTGGTCAGGCCTTGTACGG
GGCTTGGCACTAAAGGCAGAGTTCTGAACCTCTTTTTCTCCAGTTCTACA
GTGGCTACCAGGCCCTGAACGTTTTTTTGCCAAACGTTTTCCGCTGGCAAA
GGAAGGCCGTGCCTGAACAGGGTCTCTGGTTGGAACATGGGTCTGGCTTC

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Table 4

TTACTTCCCACTGGGCCATGTGGCTCCTTGAAGATCCCTGGGATGACTGG CCTTGGTTGCTTGCCCAATGGTTTTAACACTGGCACCTTCTGTTGTGGCC TCTGGGGCTGGGAACCTCGTCTTCTTTAAAAATAGCCCCC

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>Sequence 3867

>Sequence 3868

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> Page 782 of 990 of Table 4

Table 4

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>Sequence 3871

TCTAAACATCCNTTATACCTTTACATATCTTATTATATTTTAATTCATAC TCAATTAATATAATTATCTATAATCTTCTTTTTTTTTTCAGGGGCTT GGAACTACAACAAATATCTTAAAAATTCACCCTAAGGGGCTAACTCTCAT TCAAACTTTTAACTTTTAATAATCATCCATCACATGATCTGTTTTTCACC ACTTCACTTAAAGACACCATTTATATACCCAAGGGCAGAAAGTAGAACTT ACTATTCATTAAATGTTTGACACAATTGGAATTGTCTTTAATTTCTGTCA AAATGCTATTGAAAATGTGAATTGCATGACTTGTACCATATTCTTTTCTG CAAAATAGACATATTAACATGCTTATGACAATGACTGTCTTTT TGAAAAATGTTTGTCTTAGTTGGAAATAATAAAAGATTCACCTTAGACCA AAAAATTTTGGTATAATAAAAAAACGTTCTTCCTCCGTTTTTAAACTATT GGTTCCCCATCCCCTTACAAATTCCATATTCACCTTTATCATACCATCCA CCTCAAGGCGGAACCCCATTACCCAACTTTTGTTCCCTTTTAATAAACCT TTAAAGGCCCCCTTTCATAAACTTGCTTATATTTGACTACCTGATTGAA ATTATATATCCCCTCCAAATTTAAACAAATTACCACCCCGTAACTTAAAA TATTAAACTCCTCTTGCCTATAAAATTTACCTAAAAACATTATTTAAGTT TAATTAATAATTCACCTCTTTTTTTACTCCCCACCTAATTTAAAAATTTA TTTTTTTTTAATTAATTCTTTTTACTAAATT

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>Sequence 3873

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Table 4

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CCAAGTCATTTAAATGTATCATCATTTCTGTCATAAATTAGTGGGATCCAT
TTCACTATTACCCCGTACCGACACCATCTTGATTTGTATCAGTTCACCCG
TGTGGCAAGGCCTGGGAGCCTGGAGGCCCAATGCTGCTGGGAGGGGCAGG
GGATGGAGGGTCCAGTGACCACAGAGCCTTCTTGCAAAAGTTTCCAGGAGG
GTCTGCAAACTAGACGAGAGCAGCGCACGTCTGCACACGTGAATCAAGGT
CTGGGGTGGTTGTCACCTTTTTACCT

>Sequence 3875

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GCCTTAAGGGAATACAGGCAGTAGCCAGGCAGTGACCACCACAGGTCTTG
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AGACCACCAAGGTGGAACAAATACAGGTCTGCAAGAGCCACAGCATTACT
GGGCCTGGGGTGCCCCATAATGTGGGTATGGCTACTGTGACCAAAGACTT
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CTTTTGAAATTTAACATTCCATACTGAAAGGTTTCCAAATCTTG

>Sequence 3877

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Table 4

>Sequence 3878

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>Sequence 3881

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Table 4

>Sequence 3883

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>Sequence 3885

>Sequence 3886

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Table 4

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TTAACATGCTTTCTTTATTGAAGGTGGGAGGCAGGTGGCGGTAAAAAGT
GATTCTACAGAAATGGCCCACGTCTTCAGAATGTTCTCCTGAACCTTTTA
TTTGGGGCAAATGTGCCTAGNTATGTTCTCATTCAATCCTTGAGTCTGGG
ACCCTGGCCCGTTTAAAAA

>Sequence 3887

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>Sequence 3889 >Sequence 3890

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>Sequence 3891

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Table 4

>Sequence 3892

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>Sequence 3894

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>Sequence 3896

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Table 4

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>Sequence 3901

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Table 4

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Table 4

>Sequence 3906

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>Sequence 3907

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>Sequence 3908

>Sequence 3909

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Table 4

>Sequence 3910

TTCT

>Sequence 3911

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CAGGCCTCCCTGAGTCAGAGCTCCCAGGGGGAGGACCAGATTGTCATCTG
TGCTGGGGGTTCACTTTTGAGAGAGGTTCTCCTCTGAGACCTGATCTCTGG
AGGCTGGCAGTCTTGCACTTGAGGTGGGCTGGTCTGATCTCAGCACTC
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CTGCCCG

>Sequence 3912

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>Sequence 3913

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>Sequence 3915

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Table 4

>Sequence 3916

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Table 4

AGGTGGCAGAACCCTTGAAGCCAGGAGTTCAAGACCAGCCTGGCCAACA
TGGTGAAACTCCGTCTCTACTAAAAATATAAAAATTAGCCAGGTGTGGTT
GCACATGCCTGTAATCCCAGCTACTCAGGAGGCTGAGACAGAATCACTTG
AACCTGGGAGACGGAGGTTGCAGTGCACCAAGACCGCGCCACTGCACTCC
AGCCTGGGCCACAAGAGCAAAAACTCCGTCTCAAAGATAATAAAAATAAT
GACATTGGTTTTCAACTTTTAGAATCACCCTATAGACAAAGCATAGAATG
ATATAATTTTTAAAATTATAGGGGAAAATAAAACTTGGGACCTCAAAAAA
AGGAGGGTGGGAAAATGGGTAAGTGAGCTTGGGTTTTCTTGCCATAGCAGG
GCTTAAACAAAAAGTGGTAAAACAAGAAATAGCAGTTTAAGAAATTACCC
TGGCCGGCGCAAGGGCTTAGCCTGTAATCCCAACCCCTTTGAAGGGCCAA
GCCGGCGGATCACCTAAGGCAGGAAGTAAGAACAGCCTTGGCCACATGGG
GAAACCCC

>Sequence 3919

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGGTTTGCTCTTT AACCTCATTACTTTCCTTTGCTCACAGAACCTGGAAGCAACGTTGACATT TTTTTGGACAGCTTTGACCGGGTTTTAATCCCAAAAAGAATCCCTTAACA CTGTGGCACATGAGGCACAGGCACAGTCACAGGTCTTAGGGACTCATGA TCCTACTTCAGGGAGAGCTCAAAAGGGTAACATCATCTGAGAAGGAACAC TGGTTCCGAGGGCAAAAATCACAGTGGCTGGGGCAGTCCAGAAAGACAG CCGGGAGGAGGTGGACTTGAACTGACTCTGAAGGAGAGGGTAAAATCTGA ATTGGCAGAAAGCAGGCAGGAGGCCAATGGGGGTAACCAACAAGGACAGG TGCCCTGAGACAGGACTTTAAGAAAAGCTGACTTTTGCGGGCTGTGTGGC CACTTCTTTTAGCTAAACATTTACTAGGCACGCCATGGCAGTTACTATAA CCATGGCTTGGGGGCAAGTTTTAAAAAGGAATTCAAGCAACCCCACCTGG TAGGACCCACAATTTCACGGTGATTTAAAAAATTGAATTCATTGGCCAGG TTGCCCGGTTAAAAATCTTGTACCTTCCCGGGGGGGGCGTTTTAAAATAAG GGGAATCCCCCGGCTTTAAGAATTGATTTTAAGTTTTTGATACCCTCGAC CTTTAGGGGGGCCCGGTCCCCAATTTTTTTTTTTTTTTGGGGGGGTTATTTCC **CCTTTGG**

>Sequence 3920

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>Sequence 3921

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>Sequence 3922

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Table 4

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AGGGGAATAGCAAATGACCCCGATGAGAGAGAGAGACCAAAGGCTAGATT
CTTTCTGCAAGGTGGAGGACGGCTAGAAGGCAGTGGCCACAGATGAGCAG
GACTTTTTCTAGACTGGTTTCTACAATTTTTGGCTTTGTTCAGGGCCCAC
CCAAGAAGAAAATACTCCTGGATCCTTCAACTAGCCCTCAGGTAGACACA
TGTTAGAACAGCCCGTCACGTCCTGAAGCATCACTCCCCTGCCTAGAGGA
GTGAGGCAGGAGACTCCCAGGCAGGTGGCCCCTAGTGCCTGGGGTCCAA
AGAAATATTCTTCTCAGGGCTTTGAAGCACCACGTGAACCTGATTCTACT
CATGATACAATCTGGGGAAAGGGATTAGTACCTGCCCG
>Sequence 3924

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Table 4

>Sequence 3927

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Table 4

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CGGAGAAACAGCCCACTGGGTGACTTCTGGTAGACCACAGCCCCAGGCTGA
CCGAGCATCTGTGTCTCGCATCCCCTGCCTGAGAAACAGCTCCATAGGC
TGCCCCTGGCAAATACATCCCCAGGCTGACCTAGCAACTGTGCATCCTTG
TCTTAGGTCTGAGAAACAGCCCCATGGGCTGCCCCTACCAAATATCCTCC
TAGGCTAGCCATCAATATTCTGGGTCTGAGAAACAACCCTGCAAGCCACC
TCTGGCAGAAATGCCCCTAGGCCAGCTGAGCAGCTGTGCACCTGTC
>Sequence 3931

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>Sequence 3932

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>Sequence 3933

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Table 4

>Sequence 3934

>Sequence 3935

>Sequence 3936

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Table 4

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TTTGT

>Sequence 3938

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GTACCCTATATGGGCCTGTGTCTGCCTTTTTTGCCTAGATTGGACTCTCT
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GCTTTTTTTATTC

>Sequence 3939

>Sequence 3940

>Sequence 3942

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Table 4

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>Sequence 3943

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AGACAAATACTTCCATGCTCGGGGGAACTATGATGCTGCCAAAAGGGGAC
CTGGGGGTGTCTGGGCTGCAAAAACCAACAACGAAGCCAGAGAAAATATC
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CTGCCAATGAATGG

>Sequence 3944

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GGGAGGTTGAGCCAAGTAGATGAGCTTGAACCCAGGAGGTGGAGGTTGCA
GTGAGCCGAGATCGCGCCACTGCACTTCAGCATGGGCGACAGAGCATGAC
TCCATCTCAAAATAATGAAAGAAAGAAACAAAGAAATGAAAGGCTTATAT
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TAAATTTGGTAAGTCGATCAAATTAA

>Sequence 3945

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>Sequence 3946

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GGTGAATGATAAATCCGTGGGTGGCTCCTTCTACCTGCAGTCAAAGGTGG
TCCGCGCAAAGGAGCGCCTGGATGAGGAACTCAAAATCCAGGCCCAGGAG
GACAGAGAAAAAGGGCAGATGCCTAATTCCCGAATAACATCAACGACGGC
TGCAATTTGCACAGTTCTGTTGGTGTAAAAGTCCCAGTAGAAGGTTTTTG
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AGAGGGATGC

>Sequence 3947

CCCGCTCCTATCACCGTCTTGTCTTATAATGTTTATGTTCACTTTATATT
ATTTAATAGTAAGTTATAACTTTTACATCATATA

>Sequence 3948

>Sequence 3949

AGGTACCCAACAGAGGTAGCATCAGCAGCAGGCCGGCGCCCAGGAGGGGC AGCAGCCTCACGCGGGGCTTTCTGGTCT

>Sequence 3950

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Table 4

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AGACCACCAGCCACACATTCAGATTAAAAGCCAGGAAGCACAGCAAACGT
CGAGTGAGAGACAAGGATGGAGATCTGAAGACTCAAATTGAAAAGCTCTG
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AAGC

>Sequence 3951

>Sequence 3952

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Table 4

CACCCGCGGAAGGCCCCGCGTACCT

>Sequence 3955

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>Sequence 3956

TATTGCGTCACTGATTCAATATTCTTCTATCAGTGTATTATCTCTACCGT TGAATATATGTGAGAATAAATAATAATATTTTGTATCAATTCATATAA ATTCTTCTAGAAGAGTGTGATTATAGTTATAT

Sequence 3957

>Sequence 3958

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> Page 802 of 990 of Table 4

Table 4

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>Sequence 3961

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>Sequence 3962

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ACATCTTGATGGCAACAAAATCAGCAGAGTTGATGCAGCTAGCCTGAAAG
GACTGAATAATTTGGCTAAGTTGGGATTGAGTTTCAACAGCATCTCTGCT
GTTGACAATGGCTCTCTGGCCAACACGCCTCATCTGAGGGAGCTTCACTT
GGACAACAACAAGCTTACCAGAGTACCT
>Sequence 3963

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Table 4

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GGAAAAGGGCAAAGTTTTCCGGGTAAAAATTTT

>Sequence 3966
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GTCTGTCCCCACCTTGTCGTCCTCCACCACACACTGAATCTGTAGCTTCC
GGATACCGTAGCCCACGGCCCCACAGACCCAGCACGTATCTCCCATGCGC
CAAGTGGAGCCCCCAGCCAAGAAGCCAGCCACACCAGCAGAGGATGACGA
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AGGCGGCACAGCTGCGGGAGGAGGAGGACCACCT

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Table 4

>Sequence 3968

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TTCCGGGCAGGTTTTTATGCTTTTCATAATTTGTCAGGCCAACCTTGACA
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CTCTATCCCGCGTACCCAGGCTTTGGCATTATTGGATGTCAATAGCATTG
TTTTTGTCATGTAGCTGTTTTAAGAAATCTGGCCCAGGGTGTTTGCAGCT
GTGAGAAGTCACTCACACTGGCCACAAGGACGCTGGCTACTGTCTATTAA
AATTCTGATGTTTCTGTGAAATTCTCAGAGTGTTTAATTGTACCT
>Sequence 3970

>Sequence 3971

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Table 4

AGGTACGCGGGGGGCGCTGGTTGGGTGGTAAGATGGCGGCTGTGAGTCTGCGGCTCGGCGACTTGGTGTGGGGGAAACT

>Sequence 3974

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> Page 806 of 990 of Table 4

Table 4

GGTGTA

>Sequence 3976

>Sequence 3977

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>Sequence 3978

>Sequence 3979

>Sequence 3980

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Table 4

>Sequence 3982

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>Sequence 3984

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> Page 808 of 990 of Table 4

Table 4

TTGAGATGGGATTGGGGTAATGGAATACTGAATACCTAAAGAAACTTGTG TTTCTGCAGCAAGAAAAAAAAATAATGCTTATGCATAGGAAGCCAGCAA TGTTTTCTGCAGGGATTCATTGGAAAATTTTGAGCAGGGGAGTCACAAGA TTAGATTTGAGTATCAGGGCATACTGGTTATGGTATAAGGCAGAGATTGG CAAACTTTTCCTGTGAAGTGACAGATAGGGAATATGTTAAGCCGCTGGGC ATGGTGGCTCACACCCTGTATCCCAGCACTTTTGGGAGGCTGAAACATGC GGATCACCAAGTCAGGAGTTCGAGAACAAGTCTGGCCACAATGGGAAACC CTATCTTTTGTTAAAATACCATAAGGAGCCGGTGTGGGCGCTTTCCCCCT GTATTCCAACTCCTTGGGAGGCTAAGGCCGAAAATCCTTGAACCCAAAGG GCGAGGTTGCAAGAACCTAAAATTGCCCTGCCGGGCGGCGGTTTAAAATT TGGGAACCCCGGGCTGCGGATTTTGTATCAACTAATGAATCCCTTACCT TGGGGGGGCCCGTCCCCACTTTTTTCCTTTTTGAGGGTAAAGCCCCCTG

CCGGGCAGGTTCCCCGGGGCCTTCCTTTTTGTTCGACATCTTGACGAGGG CTGCGGTGTCTGCTGCTATTTCTCCGAGCTTCGAATTACCCCCTTAAGGC CCACCAGAAAGAAGAAGGACGCCTGGAAAGTCGGCCCAAAAAAACCAAGA CCCCGTGGACCAATTCCGGGGGCAAGGCCAAAAAGAAAAGTGGTCCAAA GGCAAAGTTCGGGACAAGCCTAATAACTAATCCTTGTTGGCCAAAGCTCC CATGAAAAACTCTGGAAAGGAAGTTCCCAACTTTAAACTTATAACCCCAC CTGGGGGTTTTTGGAAACCTGAAAATTCAGGGGTTCCTTGGCCCGGGCCA CCCTTTAAGGGCTCCTTTAATAAAAGGACTTTTTAAAAAACTGGTTTTTAA AAATCCTTCAATTTTTTTGGTGAAAAAACCCTTAAATGGGTCCCACACAC GTTTGTCCTTGGGGCGCGTTTTTTAACAATAGGGGGGACCCCCGGGCTT AGGGGGGGCCCGGGACCCCCAACTTTTTTGTTTCCCTTTTATGGGGGGG TTAAATTGTGCCCCCCTTGGGGAAAAAAAAGGGGACAAAAATGTTTTTCT TGGTGGAAAAATTGTTTTTCCCTTCCCAAAATTTTCCCCCACAAAAATAA CCCGGGGGGCCTTTAAAATTGTAAACCCCTGGGGGGGCGCCTTTATTGGGG CCCCCCCCCTCTTATAAGGGGGGGG

>Sequence 3986

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>Sequence 3987

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>Sequence 3988

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Table 4

>Sequence 3989

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>Sequence 3990

>Sequence 3991

>Sequence 3992

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Table 4

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AGĞTACGCGGGGATCTTAAAAGAGGTTCTTTCTCTGGGATGTGGCATGAG CAAAACTGACAAGTCAAGGCAGGAAGATGTCGCCATCACAACTCATTGGG TTTCTGCTGCTCTGGGTTCCAGCCTCCAGGGGTGAAATTCTACTGACTCA GTCTCCAGACTTTCAGTCTGTGACTCCAAAGGAAAAAGTCACAATCACCT GCCGGACCAGTCAGAGCATTGGTAGTAGCTTACACTGGTACCTGCCCG >Sequence 3995

> Page 811 of 990 of Table 4

Table 4

>Sequence 3997

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>Sequence 3999

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>Sequence 4001

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Table 4

>Sequence 4002

>Sequence 4003

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>Sequence 4006

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>Sequence 4007

CCGGGCAGGTACTGGAACAGCCAGAAGGACATCCTGGAGGAGAAGCGGGC

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Table 4

>Sequence 4008

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>Sequence 4009

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Table 4

CGCAAGCAGTAAGTTCCATGTAACTGATCACTCTATCAGGGTGTTCCTCT
GGCTCTACCACTCGGGAGATCATCCATAACTCTTTGAAATGAAACCCACT
GTCATATTTTCCACTGTGGCAGAGTCTCCATATAAGCATTTTGTTTCCCA
TTTAAATATATATTGCTTTTAAATTTTAAATGTGATCTGAGTGATAACC
CTTGGCGGCGAAGAAATTATATTGGCAAATCAAGTGAAAAAACCAGAACG
TGGCGAATGTTTTAAAATAGGGCTTTTTCATTTGGTGAGGGTAAAACACC
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>Sequence 4011

>Sequence 4012

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AAGACAGATGGTGCAGCCACAGTTCCTGTGATGTCCACTCTGGTCCCAGG
GCCGAAAGAAATCAGAGTTTGATACTGTTGACAGTAATATGTTGCAGCAT
CTTCAGGCTGTAGGCCATGGATGTTGAGAACAAATTCTGT
>Sequence 4013

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>Sequence 4015

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Table 4

AAGTCAGTGACACCATGAACCCACCAGAAGGAAGAAACTCTGGACACATC
TGAACATCTGAAGGAACAAATTCCAGACACACCATCTTTAAAAACTTTAA
CACCCACTGTGAGGGTGCGTAGCTTCATTCTTGAAGTCAGTGAGACCAAG
AACCCACTGGAAGGAACCAATTCTGGACACATTTTTGGTGACTACGAAGGG
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AGGAGGACAGGCAAGGGTGCAGGTTTTCGAGAATGCGTCAGTGCACACAA
AACAGATCATACGCTAGATCACTAAGAAACATCAACAACCGCGATGATTG
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TGTACCT

>Sequence 4016

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>Sequence 4017

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>Sequence 4019

> Page 816 of 990 of Table 4

Table 4

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>Sequence 4021

GCGCTAGTGTGGACAAGGAGGTGGGGGCAACTGAGTTAGAGTCCCAAC TCTTGGACTCCATTTGCTATTCTCTTCTTCTCCCCCACACCTATCTGGT CTCTTAAAAATTTTGGGTTGGGGGTATTGGGGAAGGCAGGAAAGGGAAAA AAATAAGCCTTGAACTTTAAGAACAAAATTCCCCGGAAGAAGTGGACAAA ATTTAGTACTTTGATATTTGGCTTGCATTTTCAATGGGGAAAATTGAATG GCCCTTTATGTGAAACTTTTAAAGCAACTAGAAATTTTATGAAAATTTGG CCTTTTGTGGGAACTTAAATTTCGATGGGTCCTGGATATTCCATCTTTAA AATAAGACTTTCTGAAAATTAGTAGCCTTAGAGAATAATATTTAATTTTC TGGGAGGGTTTGTAAAATCCCTGGAAAAGTAAAATTGTTATGATTTTTCA CTCTGCCTTAAATCCTGTTGTGGCGCCATATATATATATTTTTCATTGGC CATCTTAGGTGGGCCCTTTTTAAAACATATGTGAATACCCCGCGCTGCT TGAAATTCGATTTTTCGCTATTTGGGTATCTTATATTTTTTAAGTGTT GGGCGACTTTATTCCAACTTATGGTTTACTTTTTTGGGGGAGTGTGTTTT ATTTATTTTG

>Sequence 4022

>Sequence 4023

ACCGGGCAGGTACCTTGTGGGCATTAGGTGATTGTAGTTATACACTTTCA CAAAAGATTTTATCTTTGATCTCTTGGCGATCTTCTTCTTGCCCATGGCA GCTGTCACTTTGCGGGGGTAGCGGTCAATTCCAGCCACCAGAGCATGGCT GTAGGGGCGATCTGAGGTGCCATCATCAATGTTCTTCACGATGACAGCTT TGGGTCCGGAGTAGCGTCCAGCCAGGACAAGCACCACCTTCCCAGGTTTC ATGAACTTGCCCATTTCGGCAGCAACCACCCGGGCCTACAGCAAAAAGGA AAAAAGGACACTTCCGTTAACCCCCGCGTACCTT

>Sequence 4024

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AGGCACTTAAAGCTTATAAAAGAACTGCGGCTGGAACTCATCTGGTGCTC
CCCATGAGAGTGCTCTGCTTGTAGACTGGCCAGTGTCCATGAAACAACTG
TAAATACCAACATGTGTGCATGGGTCAACAGTCTTGGCCATTTCTCATCA
AAAGAAGCCAAATTCATGATCAACATCTCTGAAGTTTCAAGTAAGGTCCA
CACTTCTTTGAATTACTCTTCATGGGCCCACATTAGGTTGTGCTGTGAAT

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Table 4

>Sequence 4025

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TTTCGTGAGGCTAGCATGAGGTGTGTGCATTTGCCAGGGGCAAATTTCTA
TTCTCAATTAACCCATGCAGCAAATGCTACGCATCTGCTGAGTCCGTTTA
AAAACATTTGCGGTGGACGATGGAGGGGCCCGACTCGTCGT
>Sequence 4026

>Sequence 4027

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>Sequence 4028

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>Sequence 4029

> Page 818 of 990 of Table 4

Table 4

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>Sequence 4030

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>Sequence 4031

>Sequence 4032

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GGATTTCCATACCGAGATGAAGGAAGACTCAGACATCGCCTTCCATTTCC
GAGTGTACCTGCCCG

>Sequence 4033

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>Sequence 4034

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TGTAATATAAGAAATATGACTGTATATCTGGAAGGCTTTATTGCAGTGAT
GTGGAACCAAACCCGTAACATCTCCAAAGTATGCCTGTAATATTTTACAG
CAGCCCCCATAGGCTGAAGAGCTGCCTCTGCATCTAAGGATCAGGGCATT
CTGTGTTCGATGGCACAATCCAAGTCAGAATGCAGCACAATCCCTGTTGT
ATTTGTTCTAGGCTGAGTAACGTCAGTTGTATTATAAGAAGTTCTGATCT
CCTGAAGCTGGTTTATCAAGTTGTAAATCTTCATGTGTTGAATTCATAAG
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TTGAGGGCAGGGATTTGAGGGCCGCCGGGCCTAAATGGAAAACTCTTGG
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CAACCTCTGGGGGGCCCCGTACCAAG

>Sequence 4035

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Table 4

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>Sequence 4036

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>Sequence 4037

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GGGATACCCCCGGAAAAAATTTTGCCAAAGGGCCCCAAAGGGCGGAACCC
GAAAAGGCCGGTGCTGCGTTTTTTTTATAGGTTCCCCCCTGTCGGCTTTTA
AAATTTCGTCTTATTAAGGGG

>Sequence 4038

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>Sequence 4039

>Sequence 4040

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ACTCATTTACACCAACCACCCAACTATCTATAAACCTAGCCATGGCCATC
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>Sequence 4041

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Table 4

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Sequence 4044

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ACTTGCGGATTTTTTT

>Sequence 4046

>Sequence 4047

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Table 4

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AAGGAAGTTTTTAGAAGTATTGTTTTGAATGAATACAAAAGGTGCGATGG
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TGTACCTGCCCGA

>Sequence 4048

>Sequence 4049

>Sequence 4050

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>Sequence 405 I

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CCGGGCAGGTACTTTGTGGATAAGAAAATGGAGGAACACATCTGATGGAG

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Table 4

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>Sequence 4055

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Table 4

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>Sequence 4058

>Sequence 4059

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>Sequence 4061

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Table 4

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>Sequence 4062

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CATATCTGGAACCTTGATATTTTAGCATGTGTGTGTCATTTAATTTTCTC
TCATCCCACCTTAATCATAAGGAAAAAAACAAAAACAAAACTAGA
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>Sequence 4063

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TCCTAATAAGCAGTATGTTTGTTTCATTGTGAGATTGCAGTTTCTGTATTT
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ACTCTGTGGCTGTTGAATTTTACTGTAACTAGTTACTCTGTCTTCAGAGT
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Table 4

>Sequence 4069

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>Sequence 4072

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Table 4

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>Sequence 4073

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>Sequence 4074

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>Sequence 4076

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Table 4

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>Sequence 4081

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>Sequence 4083

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Table 4

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Table 4

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>Sequence 4091

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>Sequence 4092

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Table 4

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>Sequence 4097

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Table 4

>Sequence 4098

AGGTACAAAGGTGCAATCTCGGCTCACCACAACCTCCGCCTCTTGGGTTC
AAGCAATTCTCCTGCCTCAGCCTCCTGAGCAGCTGGGATTACAGGCATGT
GCCACCACGCCTGGCTAACTTTTCTGTATTTTCAGTAGAGACTGGGTTTC
TCCATGTTGGTCAGGCTGGTCTCAAACTCCCGACCTCAGGTGATCCGCCC
ACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCAGGAGCCACCACGCCCG
GCCAGGAAGCCATTT

>Sequence 4099

AGGTACGCGGGGGTTACGGTCTGAGACATCACCGCCGAGCTGGGCATCGG GGAGATGGACGAGACTGACCCCAAGACCGTGCAGGACCTCACCTCGGTGG TGCAGACACTCCTGCAGCAGATGCAAGATAAATTTCAGACCATGTCTGAC CAGATCATTGGGAGAATTGATGATATGAGTAGTCGCATTGATGATCTGGA AAAGAATATCGCGGACCTCATGACACATGCTGGGGTGGAAGAACTGGAAA GTGAAAACAAGATACCTGCCACGCAAAAGAGTTGAAGGTTGCTAATAATT TATACTGGAATCTGGCATTTTTCCAAGCCAAGAGAAGATCGAATGGCTTT TTGCAGCTAACTACTATGTGTAGACAGGGTTTATATTATAAAGTATGCAT TCTTATCACCTAGTATATAGTTAGTTTGGAGAGGGATTTCCCCCCAGTTT CTTGAACATGGTATCTTCACATCTTGGACCTTGGTCAGTTGGGCTATTCA TTATTAAACACTAAAACTTTGGGGGGTCTTGCATAACATTGGCAGATTTT TTAGTGGATTTCTGGGAAGGCATTTTTTTTTTTTTTGGCATTCCTTTGGGA TAACCCCTCATTTTTGTTGGGCTTGGGGAAATAAAATGTTGTAGACTTTA AGTTGTTTTATTTTTGGCCAACCGGACTGTGGGCTTACCCCAAATAGGGG TGGGG

>Sequence 4100

CCGGGCAGGTACGCGGGGGGCCGGGCCGAGAGGTGGTTACATTCGTTGAA GGACACCAGCTGCGGAATTTGCGGCTTTGGCAGATTGAAATCATGGCAGG TCCAGAAAGTGATGCGCAATACCAGTTCACTGGTATTAAAAAATATTTCA ACTCTTATACTCTCACAGGTAGAATGAACTGTGTACCT

>Sequence 4101

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>Sequence 4102

AGGTACAGGCATCCCTGAGCCTCACTAAGGAGA

>Sequence 4103

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TGGGGCTTTTTTGGTTGTCCTAAACTTACAAACATTCCACTCATTCTGTT
TGTAACTGTGATTATAATTTTTGTGATAATTTCTGGCCTGATTGAAGGAA
ATTTGAGAGGTCTGCATTTATATATTTTAAATTTGAGATTTGATAGGTTTTT
AAATTGCTTTTTTCATAAAGGTATTTATAAAGTTATTTTGGGGTTGTCTGG
GATTGTGTGAAAGAAAATTATAACCACGCTGTATTTTACATTTACCTTGGT
AGTTTATTTGTGGATGGCAGTTTTCTGTAGTTTTTGGGGACTGTTGGTAGC
TTTTGGAATGTTTTGCAAATTAACAGCTGAAATCTGTTCATGGATTAAA
CTGGCTTATGTGGCTTGAATAGGAAAGAGAGAAAAATGAAATGGGTGTT
TACTAAATTTATACCCCATTAAAAATTTTTAATGTTAAGGAAAAACCTTA
AATTAACATGATTCATCAATTTTGCAGAATGAATTTTTACAGTCCATTATAT
TGAAATTTGTAAACCAATTAACACCTAGCCTTACCAGGTCATTAAAATTGAAACCAATTAAACACCAATTAACACCTTACCAGGTCATTAAAAGGGGA

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Table 4

AAACATAATTCTTTCTGGCTTTTCGGAATTATCCACAAATTAATAAATTT AAGCTTTTATTTTTTAAAAAAGAATGGCCTTTGGGAAGCTTTTTTT TGTTTTAACAGTTCCCTGT

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>Sequence 4105

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>Sequence 4106

AGGTACAGCTGCCTCCCGGCAGTCCAGGAAAACTGCAAAAAATGGGAAGT AAGGTCCTGGCAGGCAGACCCGGCATGTAGCCGCTGGCCATCTTGAATCC TAGGGCATGAAGTTGCCCCAAAGTTCAGCACTTGGTTAAGCCTGATCCCT CTGGTTTATCACAAAAATAGGATGGGATAAAGAAAGTGGACACTTAAAT AAGCTATAAATTATATGGTCCTTGTCTAGCAGGAGACAACTGCGCAGGTA TACTACCAGCGTTTGGATATTGATATACATGGCAAATCTGAATATTGT TTTATGAGAGGCCTGGCAATGGGTAAAACACCAAACTTGAAATCAGAACA TAGGTGCAAATGGCCACTCCTGTAGTTTCTTTTCTGTAAAATGGGATCTG GACGAATGATACCAAACGTTTCTTTCTAACATTGTATTTTATAACTCTGG CCTATGATTGTGTGTCTTGCCTNTNAAATAATATCCTTTTAAATATA TAAAAGTACCTTCCCG

>Sequence 4107

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>Sequence 4108

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>Sequence 4109

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>Sequence 4110

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> Page 833 of 990 of Table 4

Table 4

TCATATGTCTTGGCAAGTCTCAGCAGCAGCACGACAGAGTAATCAGGATG CCTTCTTGCATATTCATACAAAAACCTAATTAAGATGAAAATAAAATAGA CTTTGTTGGACAAATGAGCACAAAAAATATCACAAAGCTAATCTCAAAAG TAACTCATATTCCAAAAGTCTTAATTTGACTAAACCCCATGCAGTAAAGC TTAGTAGCTAAGGACTTGGGGTCCAGAGTTAAAGTTACCAAGGCTCAATT CCTAGCTCTGCTACTTATATCCCCCGCGTACCT

>Sequence 4111

>Sequence 4112

>Sequence 4113

CCGGGCAGGTACGCGGGGGCTTCAATATGGCTGCCCCCAGGGAGAGACGA GACTACCATGAAAGATCCTATCGCAGACCCTGAGTCCGTCACCCATGGAT CGCAGCGCGGAGTTCAGGAAATGGAAGGCGCAATGTTTGAGCAAAGCGGA CCTCAGCCGGAAGGCCAGTGTTGACGAGGATGTGGTAGAGCTTGTGCAGT TTCTGAACATGCGAGATCAGTTTTTCACCACCAGCTCCTGCGCTGGCCGC ATCCTACTCCTTGACCGGGGTATAAATGGTTTTGAGGTTCAGAAACAAAA CTGTTGCTTGGCTACTGGTTACACACAAACTTTGTGTAAAAGATGATGTG ATTGTAGCTCTGAAGAAAGCAAATGGTGATGCCACTTTGAAATTTGAACC ATTTGTTCTTCATGTGCAGTGTCGACAATTGCAGGATGCACAGATTCTGC ATTCCATGGCAATAGATTCTGGTTTCAGGAACTTTGGCATAACGGTGGGA GCTTAACGCCCCCGGGCAGGTTCGGGACACAGCAGGAACGCAAGGCTT ATTGCACAAAACAGGGAGAAAAGATTCTTTTCCTGCACTGGTATTCTTTT CGCATTTTTCCAGCCAGGCCTTAGGGAACCTGTAAGGTCTGGCTTTGGC CTCGAGGTCAACCCTTTTTCAGCTTAAAACCGGGAGTGGAAACTACCTTT CCCCCGAGAAAATTATTTTTTGCG

>Sequence 4114

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>Sequence 4115

>Sequence 4116

CCGGGCAGGTACCAGTCCAATACCATCCTGCGTCACCTGGGCCGCACCCT

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Table 4

TGGGCTCTATGGGAAGGACCAGCAGGAGGCAGCCCTGGTGGACATGGTGA
ATGACGGCGTGGAGGACCTCCGCTGCAAATACATCTCCCTCATCTACACC
AACTATGAGGCGGGCAAGGATGACTATGTGAAGGCACTGCCCGGGCAACT
GAAGCCTTTTGAGACCCTGCTGTCCCAGAACCAGGGAGGCAAGACCTTCA
TTGTGGGAGACCAGATCTCCTTCGCTGACTACAACCTGCTGGACTTGCTG
CTGATCCATGAGGTCCTAGCCCCTGGCTGCCTGGATGCGTTCCCCTGCT
CTCAGCATATGCGGGGCACCTCAGTGCCCGGCCCAAGCTCAAGGCCTTCC
TGGCCTCCCCTGAGTACCT

>Sequence 4117

>Sequence 4118

>Sequence 4119

>Sequence 4120

CCGGGCAGGTACCACGATGTATAGAGCAACACTGGGGTGAGGACACTGAG GGATGAGAAACAAGATAATACCTGTGCAAACGTAACACATGCCACCATGC CAAGGATGTGGCGGAACAAGCAGCCCTACCAAGGCTGGGCCCCCATGGGC TTTGGGCCTGCTGGGAGGTTATAGGTCTGGGGGGACATAAGATGGCCATA TCTGGCAGCCAACTAGACTGGACATTGTACCTCGGCCGGTCTAGAACCTA GGGGAACCCCCGGGGCTGCAAGGAATCCAATATTCAAGCTTAATCAATAC CCGGCGGACCCTCGAAGGGGGGGCCCCCGGACCCCCAGCTTTTTGGTTT CCCTTTCAAGTGAAGGGGTTAAAATGGCGCGCCTTGGGCGGTAAATCATA GGGTCCATAAGCTGGTGTTCCCTGGAGTGGAAAAATGGTTAATCCCGCCT CACAAAATTCCCAACACCAAACATACCGAAACCCGGGGGAGCAATAAAAG GGGTAAAGGCCTGGGCGGTGCCCCTAAAGTGAGGGGAAGCTTAAACTCAA CAATTAAATTGGCGGTTGCGGCTCCACTTGGCCCGGTTTTTCCCAAGTGA GGGAAAACCCTGGCCGGGCCCAAGCTGGGAATTAAATGAAATTCGGCCCA ACCCCCGGGGAAGAGGCCGGTTTGGCGTATTGGGGCCGCTTTTTCCCGT TTTCTCTGGCTTAACTGACCTCGTTGCGCTTCGGGGCCGTTCCGGCTGGG GGCCGAAGCGGGATTAAGCTCAACTCAAAGGGCGGGAATACGGGTTTTCC CCAAAAATCAGGGGGAAAAACCCCCCAGGAAAAAAAAACATGGGGACCAAAAA GGGCCCGCAAAAGGCCCCGGAACCCCTAAAAAAAGCCCCCCGTTTTTTT **GTGTTG**

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Table 4

>Sequence 4121

>Sequence 4122

ATGGGTAAATTTCAGCTCCACCGCGGTGGTTGCCGAGGTACGTTGGGGCT
GTTTAAAGCCGTGTCTCATCTACCTGCTGGCTCTTATGTGTTCTTCCAGC
TCCCTGCCCCTCATCAACCCACTCTCCTCAGACCTCAGCTGGGGCTTGAA
CCTGATAATTGGTGTAGTCATCAGGATGAGATTTAGAAGTGGTGGTGCCC
CTCTTGTGACAGCATTTGGCAGTGTGCAGTTGGGCCATCAATAAATCCAA
GGTCCAAGGGCCGGAATTGTCTGCCAAATTCTTGGGAGTTATTTTGCTCAG
CCACAGGTTGGCATGCTCCAACAACATTGTGGACTGGGCTCACACCTATG
CTGAGGTGGCCAATGTCTCCAACTGTTAGATCTGCACCACCCTTCCAGCA
GCAGCTGTGGATGGCTTGCCTTGGCATGCATCCAGCTTTTTGTGAAGAA
CTGGACATGGCTAGAAACTTGGGGTCCCACAGACAATGGGGGGATGCAA
CATGGTGAGCTTTTGGATGGGGTTCACAAAACCCATGGCAAGCCTGCCC
CCTGGCTGACTCATAGCATCCATGATGAATGGGGGGGAGAAA
AACATGGTGGCCCCATTGCAAGTACCTGCCCG

>Sequence 4123

AGGTACAGAGAAACTGCCAATGGCGTCATTGAAATCAGTTGTGGGGGCAC ATAGGATCGCTCAGAAAAAAAATACTACTTTTATAACTGCGGGAACTCTA GAGCTAATACATGCCGACGGGCGCTGACCCCCTTTATGGAGGGGATGCGT GCATTTATCAGATCAAAACCAACCCGGTCAGCCCCTCTCCGGCCC

>Sequence 4124

CCGGGCAGGTACTCGGGGACCTTGAGCCGGCGAGCGCTGTGGGCCAAGC AGGGGTTGCAGGCAGTAGGAGTGCAGACTGAAAAAATGCAGACCGCCGG GGCATTATTCATTTCTCCAGCTCTGATCCGCTGTTGTACCT

>Sequence 4125

CCGGGCAGGTACAAAGTGTTAGCTCCACTCTTTCTCCTTTGAATACTGAG
TATTAAACTTTTAGAATTTATTAATAATTACTTAGTTCTCCCAATTCCCT
TCCAACCTCTGAGCGTTCTCTGACATCATGCAGTAGCAACTCCTTTCTTG
TTCTCTGGGTCACTTGAATAACTTAATATGAAAATGCTTTGAGACCTTCA
GAGAATCAGGACAGTCGCATACTTTGGCCCAGGCACCCGCAAGACGTGCC
AGGAGGTTTACGTGCCTGTCTCTCTCTCCCTCTAGCTGGCTTGGGGTTTGTCCC
ACGGCTCTGAGGAGGGACACACGCAAATGCTGAGAGCCTGCAGTTCCTCG
GGGGTGGTCAGGAGAGTACCT

>Sequence 4127

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> Page 836 of 990 of Table 4

Table 4

>Sequence 4128

>Sequence 4129

>Sequence 4130

>Sequence 4131

>Sequence 4132

ATGTACCCAACAGAGGTAGCATCAGCAGCATGCCGGCGCCCAGGAGGGGC

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Table 4

>Sequence 4134

TCCGCCGCCACACAATTGAGGATGTGTGTATCTATATGAATCTNAATTT CTATCTCTCACTCACACTATATTGATTGTATATGTGTAGATTGAGAGGAG AATATTACCCATAAGTGAATGATTCTCTTCCCCCTGCTTGAGAGGAGCCC GGAGATGAACT

>Sequence 4135

AGGTACCCTGAGCATCAGCAGAGATGCCGAGATGAAATCAGGGAACTCCT AGGGGATGGGTCTTCTATTACCTGGGAACACCTGAGCCAGATGCCTTACA CCACGATGTGCATCAAGGAATGCCTCCGCCTCTACGCACCGGTAGTAAAC ATATCCCGGTTACTCGACAAACCCATTACTTTTCCAGATGGACGCTCCTT ACCTGCAGGAATAACTGTGTTTATCAATATTTGGGCTCTTCACCACAACC CCTATTTCTGGGAAGACCCTCAGGTCTTTAACCCCTTGAGATTCTCCAGG GAAAATTCTGAAAAAATACATCCCTATGCCTTCATACCATTCTCAGCTGG ATTAAGGAACTGCATTGGGCAGCAATTTTGCCATAATTGAGTGTAAAGTG GCAGTGGCATTAACTCTGCTCCGCTTTCAAGCTGGCTCCAGACCACTCAA GGCCTTCCCAGCCTGTTCGTCAAGTTGTCCTCAAAGTCCCAAAATGGAAT CCAATGTGTTTGCAAAAAAAAGTTTGCTAATTTTAAGTCCCCTTTCGTT AAGAATTAATGAGACCATTTTTCTACCAAGGGAGAACCAAAGGGTTAAAT TTATTCCAAATTTTTGTTATGGGTGTTGGCAAATTATTTACTTTGGATAC CTTTGACGGGTTTTACATCATTAACCAGAATTTTAAATTTTTTGCTGGTT GGGGAAAACCCCAAAAACCCCGAAAAAATAAGAGTGTTTTCTTGGGAGGG GAAATTG

>Sequence 4136

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>Sequence 4137

> Page 838 of 990 of Table 4

Table 4

>Sequence 4138

>Sequence 4139

>Sequence 4140

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>Sequence 4141

>Sequence 4142

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> Page 839 of 990 of Table 4

Table 4

TCTCAGGCTCCCTCTCCGGAATCGAACCCTGATTCCCCGTCACCCGTGGT TACCATGGTAGGCACGGCGACTACCATCGAAAGTTGATAGGGCAGACGTT CGAATGGGTCGCCGCCACCCCGCGTACCTGCCCG

>Sequence 4143

GGCACAGTGCTCATGCCTGTAATTCCAACACTTGGGAGGCTGAGGCGGG TGGATCACCTGAGGTCCGGAGTTCGAGACCAGCCTGACCAACATGGAGAA ACCCTGTCTCTACTAAAAATACAAAATTAGCTGGCGTGGTGGTGCACAC CTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCCTGAACCC GGGAGACAGAGGTTGTGGTGAGCCGAGATCGTGCCACTGCACTCCAGCAC TCCAGCCTGGGCAATGACAGCGAAACTCTGTCTCAAAAATTATATACATA TATATTTTTTGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCAGCACTTT GGGAGGCCGAGGCAGGCAGATCATGAGGTCAGGAGATGGAGACCCTCCTG GCTAACACGGTGAACCCCGTTTCTACTAAAAATACAAAAAATTAGCCAG AGAATGGCGTGAACCCCGTTTCTACTAACAAAAAAAATTAGCCAG AGAATGGCGTGAACCCCAGGAGGCGGAGCTTGCAGTGAGCTGAAGCAGC GCCACTGGACTCCAACCTGGGGGACCTCCGTCTTAAACCAA

>Sequence 4144

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CTTTCTGCCAAGTTCTCGGGGTAGAAGAAGAAGACTGGGGGGGAAAGACTG
CAACAAGAACAAAAAATTCCCGGACAGGCCGCTTGCTGCAGAGGATCCA
GTCCAGATCCCACGAGAGCCCCTCTGCCCCTTCGGACCTCGTCTCCCATC
TACAAAACGTGAAGATTGGCCCAATTAGCGTGTCTCTACAAAAAGGTGCA
TATACCACTGAAGCTGCCTTGTTTGCTTTTGGTTTTTCTTTTCTTCTAATAAA
AAGCCATCTTGGGCCAAGCGTGGTAGCCCACCTGGAAATCCCAGCACT
TTGGGAAGCCCAGGCAGCCGATCACCTGTAGCCAGGAATTTAAAGACCA
GCCCGACCAACCTGGGGAAAACCCCTTTTGCCACCTAAGAAAATAGACCT
AATAGGGAATAATAGGTTCCCTTGGCCGTTTTAAAACAAAGG
>Sequence 4145

GATAAACGTTGAANNTCCNNNNCATAGGTAAATTTCACCCGGAGCTNCAC CTTTGTGGCGGCCGATCCCCCAGGTTTTAAAACTCCCGAGAGGCACTCAG CGGAGCCTTGTGGAAATACTACATCTCTTCATCGACTACATTCTCGACCT GCAGGTAGTCCTGGCCGAGCCAGCCCCTGGACCCCCTGATGGCCCCCAC >Sequence 4146

CCGGGCAGCTAATTTTTTGTGTTTTAAGTAGAGACGGGGTTTCACCATGT TCCCAAAGTGCTAGGATTACAGGTGTGAGCCACCATGCGTGGTCCACACT TATTATTTTACTTTAGTTAATAGTCTAATATTTTAAGGGTATATTGTTTT TACTCTGTCATCCAGGCTGGGGTGTGGTGGCGCGATCTCGGCTCACTGCA TGGGATCACAGGCATGTGCCATCACGCCTGGCTGATTTCTTAAGGGGTTT CGGTGTATTGGCCAAGCCGGGCTTTAAAATTCGGCCCTTAAGCGATCCCT TCAGCCCTAACCTTTCAAAGTGCTGGGATTACAGGTGTGAGCCACTATGC TGGGCCAAAATCTGAAATTTAAAATTCACTGAATGAACATTACAGAAGGG AAATTACAGAGAAAATTGGCGGGAGCCTAAAGACCAAGGAATTGAAATCT TCCCAGCTGGGAAAAAAAAAATAATGAAATTTGATATTTGGGTCCCTGGCC GTTTTAAAACTGTGGACCCCCGGCCTCAGGGAATTCAACTTTTTG ATCCCGCCACCCCAGGGGGGGCCCGGGCCCCACTTTTGTTCCCTTTGAGAG **GGTAAATGC**

>Sequence 4147

GAGAAAGGGAATATTGGTCATTCTGAATCTCTATCGCGGTAGCGGC >Sequence 4148

CCGGGCAGGTACTTTAGGAGACCCATGCGGGCAGATTGCCTGAGGTCAGG AGTAAGAAACCATCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAA

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Table 4

>Sequence 4150

>Sequence 4151

CCGGGCAGGTTCGCGGGCACTCAAGCAGAGAAGAAATGCACAAAGACTC
ACAGAATGCTGGTGGGCAGAGAAGACAGAAACGACATGAGCACAGCAGGA
AAAGTAATCAAATGCAAAAGCAGCTGTGCTATGGGAGGTAAAGAACCCTT
TTCCATTGAGGATGTGGAGGTTGCACCTCCTAAGGCTTATGAAGTTCGCA
TTAAGATGGTGGCTGTAGGAATCTGTCGCACAGATGACCACGTGGTTAGT
GGCAACCTGGTGACCCCCCTTCCTGTGATTTTAGGCCATGAGGCAGCCGG
CATCGTGGAGAGTGTTGGAGAAGGGGTGACTACAGTCAAACCAAGTGATT
AAGTCATCCCGCTCTTTACTCCTCAGTGTGGAAAATGCAGAGTTTGTAAA
AACCCGGAGGCAACTACTGCTTGAAAAATGATCTAGGCAATCCTCGGGG
GACCCTGCATGATGGCACCAGGAAGTTCACCTGCAGGGGGGAAGCCCATT
CACCAATTCCTTGGCACCAGCACCTTTTCCCAATCCTTGGCCGGTTTAA

>Sequence 4152

AGGTACGCGGGGGAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCG CCATCTCGGCTCACTGCAAGCTCTGCCTCCGGTGTTCAAGCGATTCTCCT GCCTCAGCCTTCTAAGTAGCTAGGATTACAGGCGCGCGTCACCACGCTTG GCTAATTTTTGTATTTTTAGTAGAGCCGAGGTTTCACCAAGTTGGTCAAG

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Table 4

ATGGTCT >Sequence 4153

>Sequence 4154

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TGCTCGGTGGTTCACGCCTGTTATCCCTGCACTTTGGGAGAGACGAGGCG GGCAAATCACAATGTCTTATGTTTGAGACCATCTTGACCAACTTGGTGAA ACCTCGGCTCTACTAAAAATACAAAAATTAGCCAAGCGTGGTGACGCGCG CCTGTAATCCTAGCTACTTAGAAGGCTGAGGCAGGAGAATCGCTTGAACA CCGGAGGCAG

>Sequence 4156

CCGGGCAGGTACTTTAGGAGACCCAGGCGGCAGATTGCCTGAGGTCAGG AGTTTGAGACCAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAA TACAAAAATTAGCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTT GGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGAGGTGGAGGTTGCAG TGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACAGAGCAAGACT CCATCTCAAAATAAAGAAAGAAAGAAAGAAAGAAAAGCTTATATT GAACTTCTCTAAAAAAAAAAAAAAAAAAAAGAAAGCCCGATGCACACAAATCTA AATTTGGCAAGTCGATCAATTAAAGGATATTTATTTGCATCACAAAAAA TTCTTTACTTCCCCCAAAAATCAATAAAAAGTTCAAATAGCAACTTTTCC TAATGTGTTTAAAATGTAATCACCAAATACATGTGTCCCCAACTTCTTTC CAGTTATAATTCTATTGTGTAAAGTGAGGGATACCTGAAGTGAGGCAATA AGAGAGTTGAGCTTCCCACCTGCCTGGAAAGAGCGTGTTCTTTTTAAAA TCTGACGAAATGGGTGGGGGCCAAATTCTTTAAATCTTTTCTTTTCCCT CACCGGAGCTTTTATTTTTTGGCTCAACCGTTTTTTTGGTAAACTTTGTTA CCGGGTCCCTGGGCCCTTTTAAACTAGGGGTTCCCCGGGTCGGGGAATTG AATTTAGCCTTAAGTTCCCGCCCG

>Sequence 4157

CCGGGCAGGTACCCTCAAAGGTAAACAAAATAAAATCTTATTAATAATTA
CATTTAAAACAGTTTTAACAAATGAACAAAGGCCATGTTTAGTAGTTACT
ATAGCCTAAACATACCTGCTGTTTCAGGTGCTTGGTTGCAGAATCGCCAT
TTTTAGGGTCATTAAGTGCATCGTGTAATGCTGGATGGGACATAATATGA
TCTTTAAGTGTAGAATTCAAGCCTTCACTTGCTTTTCTCAATTTCTTAAT
TAACTTTTCCAACTGCTCTTCAGATAGAGAAAATTGGAACTAATTGTT
CAGGTATTTCTGTTTCATCTCTTAAGCCTGCATTAATATCTTGAATATAG
AAATCAGGTTTTGGTTTCTCTCTTGAGTTACATTTTTTCAAATGCTTTGC
TAGTTGATCTTCATATACTGTGTGTTTTTGGATCTAAAGGACACAGGATTC
TTTTCCGAGCATCTTCTTCCTCCATGGCTCCAGCGTGTTCACCACAAAAT

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Table 4

CTITTCCCTGCGGCCACCACCATCCTGCAGAACCGTTTCTTTTTTC
ACATAGTAACCGCATCTACCCTCAGCTGGAAACCAGGCCCGTGCGGCGAC
TTCCCGGAAGGCGCCATAATTCTAGGGCTCCCCCGGGTACCTTGGCCGGT
TTAAAATTA

>Sequence 4158

CCGGGCAGGTACCTGTGGTCTCAGCTACTCGGGAGGCTGAAGTGGGGAGG ATCGCTTGAGCCCAGGTGGTCGAGGCTGCAGTGAGCTGTTTTATACCAC CACACTCCAGCCTGGGCCGCAGAGTGAGACTTTGTCCAAAACAACAACAA CAACAACAACAACAACAAAAACTGTAGCTTCCATTTTGGGTGTTCTC TATTGCTCTGTGTTGGATCATTCACTCTGGGAGAAGCCAGCTGCCAAAGG TGGAAGCTGATCCTTTCCTAGTTGAGCCTTGATGACTGCAGCTGTGGCTG TCTTCCAGATAACTGTCCTGCAGAAACTATGAGATAATAAATGTTCATTG TTTTAGCTACTGAATGTTGGGGTTATTTGTTGTACCCTGGGCGCTCTAAA ACTAGTGGATTCCCCGGGCTTGAAGAAATCGATATAAAGCTTTTGATTCC CGTCACCCCTTAGGGGGGCCCGGACCCCAACTTTTGGTCCTTTAAGGGG GGGTAAAGGCCCCTTGGCGGAAAATGGGGAAAAGTTGTTCCGTGGGAAAA TTGTTTTCCCTTCAAATTTCCAAAAAAAAAAAAGACGGGGGCATAAAAGGAA AACCCGGGGGCCAAAAGGGGGCCACCCCCTATATGGGGGGGCCCATGC CC

>Sequence 4159

CCGGGCAGGTACGCGGGAGACCGACTAGGACGAGACAAGAGGGACAGGG ATTTTTATTTTATTTTGGTTTTTTTGTTGTTGTTCTCTTCTTTTGTCTT TTTTTTCTTTAGAGACGGGGTCTAGCTATGTTGGCCAGGCTGGTCTCGAG TCCCCGGGCTCAAGCGATCCTCCCGCCTCAGCCTCCGGAAAAGTGGGACT ACAGGCGCGCATCGCCGCCACCCGGCCAATCCCTGTTTTAATCCTTTTCCT CAGGAGGAGAAAAAGAGACAGACACAGGGAGGAGGAGCACTGCACGCAGCT GAAGGCAGAGATTGGAATGACACCTCTGCAAGCCAAGGAACACGGAGCAT TGCTGGGAACCACCGGAAGAAGCCAGAAGACAGGCCTGGAGCTGGCTTTC CCTCACAGCCCCAGAAGGAACCCACCCTGGTGCCACCTTGATTTCGGACT TTTGGGCCTTCAGAACTGGGAGAGAATAAATTTCTGTTGCTTTAANNAAA AAATAAATTATTAAAAAAGGTCCCTTGGCCGTTTTAAACTAGGGGAACCC CCGGGCTGGGGAATTTGATATTAAGTTTTTATTCCCCCCACCCCTGGGGG GGGCCCCCCAATTTTTTTCCTTTTGGGGGGGTTATTGGCCCCTGGG **GTAAAATGGGTATACTGTTTT**

>Sequence 4160

>Sequence 4161

CCGGGCAGGTACGCGGGGGAGCACCCAAGCGTGACAAGCCCTCTCACAGT GGAATGGAGCGCACGGTCTGAATCTGCACAGAGCAAGATGCTGAGTGGAG TCGGGGGCTTTGTGCTGGGCCTGCTCTTCCTTGGGGCCGGGCTGTTCATC TACTTCAGGAATCAGAAAGGACACTCTGGACTTCAGCCAACAGGATTCCT GAGCTGAAGTGCAGATGACAATTTAAGGAAGAATCTTCTTCCCCAGCTTT GCAGGATGAAAAGCTTTCCCGCCTGGCTGTTATTCTTCCACGAGAGAGGG CTTTCTCAGGACCTAGTTGCTACTGGTTCAGCAACTGCAGAAAATGTCCT CCCTTGTGGCTTCCTCAGTTCCTGCCCTTGACGCCAGCATTGA TGGCAGCGCCTTATCTTCAACTTTTGTGCTCCCCTTTGCCTAAACCCTAT GGCCTCCTGTGCATCTGTACCT

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Table 4

>Sequence 4162

GGGAAGGTCAGCGCCGTAATGGCGTTCTTGGCGTCGGGACCCTACCTGAC CCATCAGCAAAAGGTGTTGCGGCTTTATAAGCGGGCGCTACGCCACCTCG AGTCGTGGTGCGTCCAGAGAGACAAATACCGATACTTTGCTTGTTTGATG AGAGCCCGGTTTGAAGAACATAAGAATGAAAAGGATATGGCGAAGGCCAC CCAGCTGCTGAAGGAGGCCGAGGAAGAATTCTGGTACCT >Sequence 4163

ACCCTACCAAAATATTCATTATAAATATGTTTAATGTCTCTTTTTTATTGA TACATATAGCTATATAAGCTATACTACTACTTATTCTCTTAATCCCAAAG GTGATATTGTTGTTAACA

>Sequence 4164

>Sequence 4165

>Sequence 4166

TTACTAAGCTCGCTTTTTTGCTGTCCAATTTTTATTAAGGGTCCTTTGGT CCCTAAATCCCACTACTAAACTGGGGGGGATTTATTAAGGGCCCTGAACAT TTGGATTTGCCTAATAAAAAACATTTATTTTCATTGGCCCCAATATAAAT GTAATTAAAAAGTCCCTGGCCGGCGGCGGCCGTTTTAAAATTAGGGACCCCC GGCTGGAGAATTCATATAAAGTTTTTGAAACCCTTACCTTAG >Sequence 4167

> Page 844 of 990 of Table 4

Table 4

CTTGCGTGGCTTTTTTGTGCCCCATGGGTATTGGGCTGTCCCAGCACCCA TTGGGACCCTTACCAAACAGCATTCAGGGATCCTGTTGGCATTCCAAATT TCCTGGAAGGAGGCTTTTAAAAATGGTCACTCGGGAAACAATAAACTTAA AATCCTTTATTCCCTGGCCTTCAAATTAAACTTTTAAAGAAATTTGCCTG GGAAAAAAATTTTATTTATCATATTTTAAAGGAAGGGTAAATTACATTTT TGAAGTCCCTGTCCCCTTCCCGGGGGGGCGTTTT

>Sequence 4168

CCTCCCACACACTCTCTCTGGCATGTAGCTGAATTTAGATTAATTTGTGC TAATCTACACGAAATAATTAAATATATATGTTATCTGTAACTAGTAATTCT TTGAGCCTGAGCGGGATTATGGCGCGTTGATTT

Sequence 4170

>Sequence 4171

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ATGGGGGATGCTTCATGTGAACGCGGGAGTCAGCCGCATCTTCTTTTGCG
TCGCCAGCCGAGCCACATCGCTCAGACACCATGGGGAAGGTGAAGGTCGG
AGTCAACGGATTTGGTCGTATTGGGCGCCTGGTCACCAGGGCTGCTTTTA
ACTCTGGTAAAGTGGATATTGTTGCCATCAATGACCCCTTCATTGACCTC
AACTACATGGTTTACATGTTCCAATATGATTCCACCCATGGCAAATTCCA
TGGCACCGTCAAGGCTGAGAACGGGAAGCTTGTCATCAATGGAAATCCCA
TCACCATCTTCCAGGAGCGAGATCCCTCCAAAATG

>Sequence 4172

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Table 4

>Sequence 4173

CCGGGCAGGTACTGGGTGCTTGGTAGTTAAGGAAGTATGAGCTGCTGGCT CAAGGGTAGATTCTAACAGGAACTTCCAAGCTGGAGAAATATCAGGCTAC ACCGCAGAGAGGGGAGGAGGGTGAGGGAGGCGCCTGCTGGTGTGAGCCGT GACCTGGCAGCAAACAGTGGTCTCTTACCGATGGAAAAGGGCACAAAAGC ATCACTCTTCTTAAACTGCCCCTTCTCATTCAGGAAATGCTGGGGATTGA AGTCCTGGGGGTTGGAGAAGAAACTGGGGTCTCTCAGCACAGAGCCCAAC ATAGGGTACCT

>Sequence 4174

TGCATAGACTAGTCAGCTTCTGGGGTGACTAGAGCAGGGCTGTTGTCTCC
ACAAGCTTCAGCCGTGCGCGGACTGGTCAGCTTCCGGAGTGACCAGAGCA
GGGCTGTTGTCATCTCACTGGCACCTTGGTTCCATCGTAGGATCAGCTGG
GTTGCATGGTCTAGGTCCTGTTGGCTGGTCCACTTGTCCTGGGCTGCTGG
TTTCAGCTGACTGGATGGATGGATCCAAGGCACAATTCCTGCAACATTTC
TAGGCTTCCAGTGGGTCCTGGCGTCTTAGCTGTGGATCTCCCAATACCTG
CAGGTAACGAGGCCACAGAAGCTGGGCCTCTAGGAGCAGAAGACACAGAG
CAGTGAAGACTACACCAGAAGCTCCGGCTGCCGCCAGAGACAAAGGCCCC
GCCCCCCGCGTACCTCGGCCGCTCTAGAACTG

>Sequence 4175

AGGTACCTTTAATAATATTTTATTTAACCTCATATATCCAAAACATTATC CTTTAAGCATGTAATCAATATAAAAAATTATTAATGAGACATTTTACATC CTTTGTTTCACAGTAGGTCTTTGAAATCTAGAGTGTATTTTATACTCACA GCACATCTCAATGTAGACTAGCATATTTCAAGTGCTCGGTGGCCATATGT GACTAGCAGCTACCATAGAGGGCCACAAAGATCTAGACCCTTAAGAGTTA CACATACATACAACACCCCTTTAATAATCTCTTCCATGTTTCTATAATGA TCCAAAGAGGTAGTGCTCTACTCTCGTTTCTATGCTTACACACTTCTGGG ATGAAATTACAGGGATACCATCCAATGAATGCCTGAAATTCCACCATGGT AGCTTACACTCAATTCTTTAAATATACTGTGCTTCAAGTTGTGTTTAAAC AAAAATGCCCCAAAAGGGGGAATACTCTAAGCTAATATCTGTCTATCATT AAACCTTAGGTTACATGAAGGGAACTGACAGCACATCCAGGGAGAGCCAG TAGGGGCACAGAAGACAAAAATCAGATGGCTGACTTTTGGCAAACCTCAT CTCAAATTCTATTACAAGTCCCTGTTCCAAATTCCCTCTCTCCTCAAGAA CTTTAÄAGGAATTACTTCAATAACTCCTTGTCAAGAATACTATTATCAAG AAACACCAACGGGAACTACTGGGGCTTTTTGATTTTACCCTATAACTTGA **GGCAACT**

>Sequence 4176

>Sequence 4177

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Table 4

TCAGCCATTCAGCACCATGTGGACGAGCTCCGCCCCATGGGCCCGTCACC
CCGACAGGATATGCCTTACAAACGCTTCATAGTTGATACAACCATTGCTG
TCCTCATGCCCTGCCACCAGCATCTCTACTTCTTCCTCTGTCATCTTCTC
ACCCAGTGTGACAAGAACATGCCGGATTTCAACACCCATGACGGTGCCAT
TTCCTTCCTTGTCAAACACCCGAAGTCCTTCGACATAATCCTCATAGGTG
CCCTGGTCCTTGTTCTTGGCCACTGTTTGAAACATGGCCAAAAAGTGCTT
AAAGTCCAACACCTTCACATTCATCTTATACCTTGGCCGGTTTTA
SSAQUEROS 4178

>Sequence 4179

TCGTTTAAGATCTCTCATTTGGACGATTGTGTGAGTTTATTAGAGTACTT
TTTGTATAACCTCCAGTTAGTAGGAGGCGATGGTTTAAGGATTGACGATT
AGTTCTATATAGCTATTGCAGTCACTCGGACAGGTACATAGCCCCAGAAG
GGCGGTCTGGACGTAGGCCATGGGTGCGCGCCAACACCCCATAACATATA
TCAGCATTGGACTACAAGAAGAGGCAAGGAGAAATCAAGGATCAAAATTT
AATCAAAAGAATAGCCAAGACATTAAAAATAGCCCCCTCATTGAAGAGTG
GGAACGTAGGTGTGATGTTCTGGCATAAGGAGTGAAAAAAGACTCT
ATTACTTGAAGCTTTTCACCAGGGGCAGAGAATTGGCCGGAAGTGAGAA
ACGTGTGTGTGGATGCTTACACCGATGCCGGCTCCTAATATTTGAACATG
GGTCCCGAAAGGAGAACCAATTATTCCTAATTTCCACGGCCGGAATTCTC
TGACTCCCAAACTCCCAAAGTGGAGGCAGGACCTGCCCTTACCTTGAGG
AAACTCAGAGCG

>Sequence 4180

>Sequence 4181

CCTCTACCACTCATATATAACTATAATTATGAGTATATCAACTATAATTA CTATAGACTGATAAAGAATTGATAATATGTAAAATATCATTATCATTAAT AATTAATAACTGTGAAGAAGAAAATGATTCCATTAATATAAGACAAATAT GAATCTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACAGCTGAAGAACAT TCAGCTCCAGCACGAGAAGATACAGAGCAACTTGGAAACCCCAAAGGGAG

> Page 847 of 990 of Table 4

Table 4

>Sequence 4182

CCGGGCAGGTACACGGGGGAGGTTAATTTCTTTTTCTGTTTGAAAAGAGT GGATGTTGGTAGACACTGGTCGTTTCTATTACGGCCTCCTGTAATTTTAG CTAGAAGAAGAAATACAGAAAGGGGTTTATTGATGTTTCAAAAATCAAGT GTGTGGAAATAGTGAAGAATGATGATGGTGTCATTCCCTGTCAAAATAAG TATCCATTTCAGGTTGTTCATGATGCTAACACACTTTACATTTTTGCACC TAGTCCACAAAGCAGGGACCTGTGGGTGAAGAAGTTAAAAGAAGAAATAA AGAACAACAATAATTATGATTAAATATCATCCTAAATTCTGGACAGAT GGAAGTTATCAGTGTTGTAGACAAACTGAAAAATTAGCACCCGGATGTGA AAAATACAATCTTTTTGAGAGCAGTATAAGAAAAGCACTACCTCCAGCAC CAGAAACAAAGAAGCGAAGGCCTTCCCCACCAATTCCACTAGAAGAAGAA GATAATAGTGCAGAAATCGTTGTAGCCATGTATGATTTCCAAGCAGCAGA AGGACATGATCTTAGATTAGAGAGAGGCCCAGAGTATCTTATTTAAAAAA GAATGATGTTCATTGGTGGAGAGCAAGAGATAAATTTGGAATGAAGGATT TTCCCAA

>Sequence 4183

CCGGGCAGGTACCAGAAGCGGGACTTGGCGACATGATTAGGCGCAAA GATTCGCATGCGGTAGAGGGGCGGCGTGTGGCATTTGGGGGTGGGCAGGC AGCGACCCCTTTCAGCAGGTCCAGGAAACCAAAGGCTAGAGCGGCCTTTC GCAAACGGTTCAGCTCCTTATAGAATGTCTGTGTTTTTTCAGGTAGTTTC CTTGCATTTCTTAAAATCTTCTGTACCT

>Sequence 4184

>Sequence 4185

> Page 848 of 990 of Table 4

Table 4

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>Sequence 4187

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AGGTACGCGGGGGTTCTGAAGCGGCGGCCAGAGAGAGAGTCAAGGGCACGA GCATCGGCCATGCCTTTCTTGGACATCCAGAAAAGGTTCGGCCTTAACAT AGATCGATGGTTGACAATCCAGAGTGGTGAACAGCCCTACAAGATGGCTG GTCGATGCCATGCTTTTGAAAAAGAATGGATAGAATGTGCACATGGAATC GGTTATACTCGGGCAGAGAAAGAGTGCAAGATAGAATATGATTTCGT AGAGTGTTTGCTTCGGCAGAAAACGATGAGACGTGCAGGTACCTGCCCG >Sequence 4189

AGGTACAGACAGGCTTCTCTGTTATCCTCCACGCAGTGTGGTAGTCGAGG AAAAGGGCAACAGAATTGGATCATTCCTTAGACACTAATCAGCTGGGGAA AGAGTTCATTGGCAAAAGTGTCCTCCCAAGAATGGTTTACACCAAGCAGA GAGGACATGTCACTGAATGGGGAAAGGGAACCCCCGTATCCACAGTCACT GTAAGCATCCAGTAGGCAGGAAGATGGCTTTGGGCAGTGGCTGGATGAAA GCAGATTTGAGATACCCAGCTCCGGAACGAGGTCATCTTCTACAGGTTCT TCCTTCACTGAGACAATGAATTCAGGGTGATCATTCTCTGAGGGGCTGAG AGGTGCTTCCTCGATTTTTCACTACCACATTAGCTTGGCTCTCTGTCTCA GAGGGTATCTCTAAGACTAGGGGCTTGGTATATATGGGGGCAAAACAAAT TAGTTCATTAATGGCTTCCGGCTTGGCTGATGACGTCCCCACTGACAGAG AAAGGGAGGCTGGTAAGGAACTGGGTCCTTCTGGGTAGACCTCTGGGAGC TCCCCGTACCTGCCCGGGCG

>Sequence 4190

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>Sequence 4191

AGGTACCTGTCATTTGCCTTTGAGCATTGTCACCGTTCTAGTCAGAAGAA CAAAAGGATGATTCTGATCTATTTGCTTCCAGTAAAAATGCTATTGGGTC

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Table 4

ACATGCCCACTGTGGAGCTCCTGAAAAAGTATCACCTGATGCAGTTTGCG
GAAGTAACCAGAGCTGTGAGCGAGGGCAACCTGCTGCTGCTGCACGAGGC
GCTGGCGAAGCACGAGGCCTTCTTCATTCGCTGCGGAATCTTCCTCATCC
TGGAGAAGCTGAAGATCATCACCTACAGGAACCTCTTTAAGAAAGTGTAT
TTGTTACTGAAAACACACCAGCTGTCTCTGGATGCTTTTCTGGTTGCCTT
GAAGTTCATGCAGGTGGAGGACGTGGACATTGACGAAGTTCAGTGTATTC
TGGCTAACTI GATATACATGGGACACGTCAAAGGCTACATATCGCATC
>Sequence 4192

AGGTACAAGAGATAGAAAGACCAGTCCTTGCTGAAAGACAAGTCTGAATG
CTCCACTTTTTCAATTCTCTCCATTCTTCAGTAAGTCAACTTCAATGT
CGGATGGATGAAACCCAGACACATAGCAATTCAGGAAATTTGACTTTCCA
TTCTCTGCTGGATGACGTGAGTAAACCTGAATCTTTGGAGTACGCCTCGT
AAGGCGTCCGGTCCCCCGGTGTCAGAACTCATCACCAAGGCTGTGGCCGC
CTTTAAAGAGCGTAGCGGAGTTTCTCTGGCTGCTCTGAAAAAAAGCGTTGG
CTGCCGCCGGCTATGATGTGGAGAAAAACAACAGCCGTATCAAACTTGGT
CTCAAGAGCCCGGTGAGCAAGGGCACTCTGGTGCAAACGAAAAGCACCGG
TGCTTCTGGCTGCTTTAAACTCAACAAGAAAGGAGCCTCCGGGGAAGCCA
AACCCAGGGTAAAAAGGCGGCGGGAACCCAACCTAAAAGCCCATGGGCA
GCCCATAGCCCAAAAAAGCCGCCTTTTTTTTCAAATTCAACTCTAAAAAACCCCGGGGGCCC
GGTTTAGGAAATTAATTAAGCTTTTTTTTCCCTGAACTCTAGGGGGGCCC
GGGGCCAAATTTTGGCCCTTTAGGGGGTGATATGCCCCTGGGGTAAAAG
GGAAAAGGTTTCCGGGGGAAAATTTTTCTTTCAAATTCCCCAAAAAATA
GG

>Sequence 4193

>Sequence 4194

CCTGGCAGGTACGCGGGGGCCTTGCTTTCGCTCTTCCCGCTGCTGCGGCC CTCTCTGTCTTCTCTGCAGTGGGAGCAGCTCTCCTCAC CAAGAGTACCTCACAGCTGCTGAGCCGTCCGCTATCTGCAGTGGTGCTGA AACGACCGGAGATACTGACAGATGAGAGCCTCAGCAGCTTGGCAGTCTCA TGTCCCCTTACCTCACTTGTCTCTAGCCGCAGCTTCCAAACCAGCGCCAT TTCAAGGGACATCGACACAGCAGCCAAGTTCATTGGAGCTGGGGCTGCCA CAGATGGGGTGGCTCTGGGGCTGGGATTGGAACTGGGTTTGGGAGC CTCATCATTGGTTATGCCAGGAACCCTTCTTTGAAGCAACAGCTCTTCTC CTACGCCATTCTGGGCTTTGCCCTCTCGGAGGCCAGGGGGCTCTTTTGTC TGATGGTAGCCCTTCTAATCCTCTTTGGCATGGGAAGGAGCCGGCTCCAC CTTCCAAAGTTTCCCGCGTCTGGGTGGGCCCGGGGGTTCCCTTTCCATAC CTCCCAGGCAGCCTGGGGAACCGGGGTGGGCTCAGGTTTGGCCGAGAAAG CCAATAAATTCGGGGTTAATAGAAGTTCCTCGTGGTAACTTTGAAGGGGG TGGGACCCTGGCCGCTTTAAACAGGGGGACCCCCGGCCGCGGAAATCAAA **TCAGCTG**

>Sequence 4195

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Table 4

GACACCTATGCCCAAACAGAGGGAGATGCAGAACCCCCGAGGCCTGACGC
TGGAGGCCCCAACAGCGACTTTTAACACCCGCCTGGAGAACATTGGGGAC
AAGAACACAAAGGGCAAGCACGTCAAGGTCTCCCAAACTTCAGGACGCTT
TAAGGGGAAAGAAGAAAGTGGGAAGCCCCGCTTGGCAGAGAACCCTAACCT
TTTTGGATGATCACGAGGAAAGGACGCATCAAAATGAAAGGCCTGGGAG
GGGGCTAACAACTTTTGGCTCCCTGGCATCAGCCAGAACTGAGACAGGAC
CTTGCCAACGCGGCCTCTTTGGCCAAAACTTAAACTGGGGGGCCGTTGAT
CCCCGTTGCAGGAAAGGCTGGTTTTAAGTTGGAATTATGTCCCCCACTTT
TGGAAGGCCG

>Sequence 4196

CCGGGCAGGTACCAGCAGCGCCCGGGCAGTTCCCCCACCACTGTGATCTA
TGAGGATAACCAAAGACCCTCTGGGGTCCCTGATCGGTTCTCTGGCTCCA
TCGACAGCTCCTCCAACTCTGCCTCCCTCACCATCTCTGGACTGAAGACT
GAGGACGAGGCTGACTACTACTGTCAGTCTTATGATAGCAGCCAATCAGGG
GGTGTTCGGCGGAGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCTG
CCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAAC
AAGGCCACACTGGTGTCTCCATAAGTGGCTTCTACCCGGGAGCCGTGAC
AGTGGCCTGGAAGGCAGATAGCAGCCCCGTCAAGGCGGAGTGGAGACCA
CCACACCCTGCAAACAAAGGCAACACAGCAAGTACCTT
>Sequence 4197

ACAGGAAATCTGGAATTGTGGAACCGTGAATTGAGAATTGAATTGGGAAT TGTATACGGAATTGCTATTTGTAATAGGGGGGGGACGCTAATATTGACTG TATGGCGACTCGCACCGCGGGGGGGGGGGGCGGCCGGGCAGGTACGC TGGATAGCCTCCAGGCCAGAAAGAGAGAGTAGCGCGAGCACAGCTAAAGC CACGGAGCGAGACATCTCGGCCCGAATGCTGTCAGCTTCAGGAATCCCCG CGTACCTCATCCACAGGGCCTTCTGCCAGCCCCAGCCCCTGGAGAGGATG CAGAAATGAAAGAACCAGAGCATTATAGCAGAACGAATCCTGAAATGGGA ATGGAACGCCTGGATTTGTGGCACAGTTGGGAAGCGTCCTGGCCATGCCA TGTTAAAGGTATGCCTCATGGCAAGTTATTTAGCTTTTCTGAGATTTTGT GAAGTGCCAATGGTGTTGAATTAGTGCTCGCATGAAGTAATCAAAATGGT TGCAATTCCCAGCATGAAACCTGGAGCCAGGTACTTGATGAGAGGTCAAT CTATCTGTGGCCTTTCTGACTTTGGCCTGGAGTGCCTAATGATTGCTCGA ACATGCATATATTGACTCTGGCTAACAAACGATTATCTTTTAGGAAACCG GACGGCTCTATTCAAAAATTTTTAAACCGTCCCTCGGGCGGTGTAGAAA CTGGGGGATCCCCCGGCTGCAAGAATTTCGATATCAAACCTAATTGAAA CCGTCAACCTCAAGGGGGGGCCCCGTCCCCAACTTTGAGTCCTTTATGG AGGGTTTATCGCGCCCTGGGGGTAACCTGGGCATAACTGTTTCCGGGAGG AAATAGTAAACGGCTTAAAATTTCAAAAAACTCCAAGCCGGGGGCATTAA GGGGAAGCCGGGGTGGCTAT

>Sequence 4198

CACCTCTCTCCAATAAAATATGTAGAGTGATATAAACAATTTTATATAA TTTTTATTAAAGTGAATAAAGTAAATATATTACATATAAATTAAATGAGGA AACAAGTAAGTTAAATAAATATGAAATTAATACTCCACCGCTGTGGCGGC CGTGGTACTTTGGGAGGCCCATGCAGGCGTATTACCTGAGGTTAGGAGTT CGAGAACAGCTTGGTCAACATGGTGAAACCCATATTCTATTAAAACACAC ACACACACACAAATCGGGCATGATGGCATGCACCTGTAATCCCAGCTA CTTGGGAGGCTGAGGTGGGAGGATGGCTTGAGCCCAGGAGGCAGAGGCTG CAATAAGACATATTCAGGGCTACTGCACTCCAGGCTGGGCGACACAGCGA GAACCCCTCCCCACCCCCAAAAAAAAGAAAGAATTAATTTCCCATAAAAC GGGGAAGGGCAGCGGCTTGGGATCTTGCCCCACAGTTCTTAACTCGAGG CGGCACTGAGTAAGGGAGCCTTTTTAAAGAGCTGGAGCAACAAAACCAC CAGGAAAACGAGGCAACACTATGCTACAAAGGGTAAGCCTTTGCCTAAG GAGCTCAGGTGCTCCGAGCATTCACAGCCTCTTTTAAAGAACAAGCCAGA AAATACCCAAGGAGAAAAGCACCGACCACACGGCATAAAGGCCCCCTGAA TCGGGGGACAAAAAGCAGA >Sequence 4199

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Table 4

>Sequence 4200

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AAGAGCTCTATAATGCTGCTCATCATGGCAGGTTTTTTACTGAAATCTCT
TATCTGGAAGATGGCAGAAGAGACCCGGACCTTCCCGAGCCCACTGGTTG
CTTGGATTCATATTAACAGCTCGCTTGAGTAAGTGGTAACGACAGAATAA
TAAGCAGATTGCTCCTCCAAACCCAGCTGGGTGAGATAGCTTCATTTTTG
GAAAATCAACTGAATCATGAAAACCTTCCTAATGGTATAATTTGTTCCAG
AGTTCTTTTGATACTTAAGAAGGGAAATATTAATCCTTGTGCACAGTCTT
TTATTACAAGCACTCTTATTTATGGTATTACAGAGTTTTCTTTTCCAGCC
GGAATTCTTTTGGGGAGGTGACTGCCTTT

>Sequence 4201

CCGGGCAGGTACAGGATGGCATAGTGAAGGCCCTGAATGTGGAACCAGAT GGCACAGGCCTCACCTGCAGCCTGGCACCCAATATCATCTCACAGCTCTG AGGCCCTGGGCCAGATTACTTCCTCCACCCCTCCCTATCTCACCTGCCCA GCCCTGTGCTGGGGCCCTGCAATTGGAATGTTGGCCAGATTTCTGCAATA AACACTTGTGGTTT

>Sequence 4202

>Sequence 4203

CTCTTTCCCCCTTTTTTGTTTGCAGTGGCGCGATCTCTGATCACTGCAAC CTCCGCCTTCCGGGTTCAAGTGACTCTCCAGCCTCAGCTTCCAGAGTAGC TTTAGTAGAGACAGGGTTTCACAGTGTTAGCCAGGATGGTCTCGACCTTC TGACCTTGTGATTCGCCCGTCTTGGCCTCCCAAAGTGATGGGATTAGAGG CGTGAGCCACCGCGCACGGGGAAAACGAGATTTTTTAGATCAACTTTTC ATTGCCAATGCCCTTGGTATTCCCTCCACAACAACTCCACAAGAATGCT CAAAAAGTCAAACTTGTTTTCAGGTGATCTTTAGGGACCCAAAGACTAC TACATGTTCCTGCAGTCTTTAGCCCGAAATTTAAGCTTTCCTACCACCTT ATCCTTCCGAGTTAATGATTGTTCCTGCCCCGGCGGCGTTTTAAAACTA GTGGATTCCCCCGGCTGGAGGAATTCGTTTTCAAGCTTTTTTATTCCCTC CACCTTAATGGGGGGCCCGTACCCAAATTTTGTTCCCTTTTGTGAGGGT TTTTGTCCCCCTTGGCGTTTCCTGGGCTTTACTTTTTTCCTTTTAAAATT TATCCCTTCCCATTTC

>Sequence 4204

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Table 4

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>Sequence 4205

>Sequence 4206

CCGCCCCTCCCCTGTATAATGTTGTTATAATGCGATATTAGGTGCTATTT CACGGAAACTGTGCAATTTCGGTATTATGTGTGTATTTAGATAATTCATC ATCTAATAAGAGGGAGGGAGG

>Sequence 4207

CGGATATCTTCGGGAGATTTCGGGGAAATGGTCTGTAATTATCTGGATTA
TACCAATATGTGGGATTAGTGGGAATATTTGAGATTAGAGAATATTGGAA
TATTAGAGGAGGCGAAATAACGATAACTAATGGCGAATTGCAGCTCCACC
CTTGAGGGTGGCGGCCACGGGCCAGGTTCTCGGTGGGGCCGTGTAC
ACCGTGGTCCTGTTAGGTCCGAGGGGCAATAGCCCTTTTGGAACAAGACAA
TCCATGTGAGATAAGAAAGAAGAGCCCACAAGACCAAGGATGTATTCTCA
GTTTACAGACCACTGACCAGAGGCCACTCCAGGGTGTCAGGACTAAGACA
AGTCACAAAACAGCACATTTCCCAAGAGCAGCGGAAAATGATCCAGTCAC
AGATATCATTTGAGGATGTGGCTGAGGATTTCACGCTGGAGGAATGGCAG
CTACTTAATCCTACTCAGAAGAACTTGTACCT

>Sequence 4208

CCGGGCAGGTACGCGGGGCTTTCCTAGAGTCTCTGAAGCCACAGATCTCT
TAAGAACTTTCTGTCTCCAAACCGAGGCTGCTCGATAAATCATGACAGAA
CAGTTAATCCTCAATTTAAGCCTGATCTAACCCCTAGAAACAGATATTAT
AACAAGGGAAGTGACAACAAGATTGACATGGAATGATGAAAATCATCTGC
GCAAGCTGCTTGGAAATGTTTCATTGAGTCTTCTCTATAAGGCTAGTGTT
CATGGAGGTAGCATTTGAATATATGGGTTGAAAGATGCAAGCCGTCAGGG
ATGGACCGT

>Sequence 4209

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Table 4

AAGA

>Sequence 4210

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>Sequence 4211

>Sequence 4212

TGCGAGTCGGAACTGCACCTCCACCGCGGTGGCGGCCGACGTACTTATAT
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AGTATCAAGCCCATTTACCGTCACCTCACACCAATACTCGCCCCACCGTG
TGGTAGGCTCTGCTGGTAACTTTAATGTATGTGGGGGCAACCACAACACCA
AGATTCTTAAAGAAGTGGCGGGCAACTATTTCAGGGTTCAGCTCCCATTT
GACATTGTTCTTCATCCCTACCTCCAGGCGACAGCTTTTTAGAAATTTCA
CTGTCGCCTCACCTGCCTTGGTCTGGATCTTCTCTAATTTTCCTTCTTGT
CTCAGCACCCGCGTACCTGCCCG

>Sequence 4213

>Sequence 4214

TCCACCGCGGTGGCGGCCGAGGTACTCCAGGATGGCCTCACGCTCATACA

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Table 4

>Sequence 4215

GCACCTTGGCCGCGTTCAGAGTGCCGATGAGCTCCCCCAGACTCTGCTTC CGCCCGTTCATCTTCCAGTTTCCCCCAACGAAGAACTTCCTGGAGGGCGC CATGGCGCTGGAGCCGAGGCGCTGAAGGTCAGTGTCTGCCCCGCGTACCT >Sequence 4216.

>Sequence 4217

>Sequence 4219

AGGTACCGGAATCTTGCTAGGGGTAGGAGATACACCCCGGAGGAGGGGAT CCTTCGTGGCTTGCCGGGTGGTCATGATGGCTTACCGAGGCCCCTCAGGG CCTACCCAGCTTCCTCCGCTTTTCTCCTGACCCTCTCGGGTGCTGCTGGA GCTACTTTCTCAGTTTGTAAAATACGCCAAGCTCTTGATTGGCCCCCCCG CGTACCTGCCCG

>Sequence 4220

Page 855 of 990 of Table 4

Table 4

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>Sequence 4222

CCACTACCGCAATCTTAATATAAAGAACTGGTCAGAGATTATATTTTTG TAACGTATCAGAGAAACTTGATAATTTGTAATGTGAAGTTGTATATTAAT ATCGTTGACNTTGNTCTTAGTATAGAGAAGAGGGAACATCTAAATCT >Sequence 4223

>Sequence 4224

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CCCCCCACACGACACTAGATGATTATGTATGTATTATGTATATATGGA
CATGACAATGGGTATTAGATCAGAATACGGCATCTCATTTTGTTTCTTAT
TTTATTACGAAGGGGAGTGGAATGATTTAATCATTATTTGCGAATCGAAT
TTGAGCTCCACCGTTGTGGCGGCCGAGGTACCAACAGATTTCTCACGGTG
CTCCCAAAACTGTGATGTTGGGAAATTCTCTGCCCTCAGGGATCCCTGAC
CGTTTCTCTGGCTCAAAGTCTGGGACCACAGCCTCCCTGACTATTTCGGG
CCTCCAGCCTGAGGACGAGGCTGATTATTACTGTTCAACATGGGACTATA
GCCTCACTGCTCGAAGTGTTCGGCGGAGGACCAAGCTGACCGTCCTAGG
TCAGCCCAAGGCTGCCCCTCGGTCACTCTGTTCCCGCCCTCCTCTGAGG
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CCCGGGAGCCGTGACAGTGGCCTGGAAGGCAGAACAACAACAGGTTCC
TGCCCG

>Sequence 4226

GACAATATGGACAAATTAAAGATTTTTGACGTAGTGTGCTCCTATACTAA CGGGGTAACGGTTGAAAGTGTAATATGTGAATGTCGGACTAACAAAAAGA

> Page 856 of 990 of Table 4

Table 4

TAATTTTAATTTTTTTTTTTTATTAACGTATGGGGGATAGATGTTCTTTTG ATGACAATTAAGTTGGAATAGAAACTACACCGCGATGGCGGCCGTAGTAC CCCTCATACCCAGCCTCAACTGGAGATGACTAAGGAAAGACTGTGCACTA AGAAGCCACATTCCCCTGTTCAAGGACTGAGTGTCCTTTACAAATCCCCT CCAAATGGGGGATTCCAAAGGGGCTTAAGCAAAAGAACAATCTCTGTGGC CCAGATGGCAGTTTTTACATTTATTTAAACAGAAAACGTGCACATGAGTT GCCTACTCATTTTCTTCACTGCGCAGCCTGGCATTGGGGTTGGTGACTCT GATGGCCAGTTGGGCAGCTCTTTCCACGATGGCTTTGCGGGTCTTGGAGG AAACATTGTGAGCGATCTCGGCACAGTAAGATTTGTTGCACATCAGCAGC ACTTCCAACTTCTTGACGTTGTGGACCAGGAACTTTCGGAAGCCACTGGG CAGCATGTGCTTTGTTTTTTTGTGCTTCCATAACCAATGTTGGGCATTAA GATCTGGCCCTTGAATCTTCTACGAAACCTGTGGCCAAGGCCCTTGGGGT TTTCCGCAGTTACGCTTAATTTGACATATCAGTCTGACTGGGGCCCGAAT GAACTTTTGGTTTTTTTTTGACAATCTGGGCTTAACAAGGGTCTAAGGGC GCCATGATGCCAAAAGGAAAGGGTGCCACCCTCTAGGCCCCGGGTACTTC CCGGGCGGCCGTTTTAAACTAGGGATCCCCGG >Sequence 4227

AGĞTACACCTTTTCAGGGCCGTTAAAGACCACCTGAGGAGACTAGATCTT
CTTGAACATCACCATGATGGAACTGAGTTGGTTTTAAGAGTTAGAAATGA
CGGTGGAAGAAAAAAAAGCTCCAAATCGAGGAAACCCCTTTGCAAAAAAT
TATTTCACTTTAAGGAATTAAGGTATTCTTAAGCAGTTTTGAGCTTAAAAA
TAAAATAAGATTTAAACAAATGAATATTAACTACTAGGTTTTCGAAAAAG
CGCCTAAAAAATATACGCCGCTGGTTAACACTAAGCGAATTCAGAGAAAA
AGCCTTCTTTCCCCCAATTGCTGGAGAAAAGATCCGATCTCCACAAGCAC
TCCTTTTGGAGAAAAAAGAGGGGGTTAGTTTCCCCGCGTACCTGCCCGG
>Sequence 4228

CCACACCGGGCATGAATAGTGTTGGGTTGATGATCATTCGGATTGCGGTG
TAGTTCCGAATGAAAAGGGATCGCCAGCAATATAGTTTTGTGAATTGATA
TAAGAGACGCGTGCGCGTTGCATTCTTTATGGAAAATTGCATCTCCACCG
AGGTGGCGGCCGGGGTACCTGGTCCTATTTTTCCATCGCACAGTGCAACT
CCGGGCAAAGAGCTGTCCCAGAAGCAAGAACTTGCTGTGTGTAATCCAGC
TCCATTCTTCTGCATAATTACACAGGTCACGATGTATTTAAATGGTTTTC
CCAGCTTGGTGAGTTGGCTTAAAGTTTGTTCTACTACATTTGTGGTCCAC
TGGTTCACTTTGCTGTGTTGATAAGCGTTACCACCAATTGCGCTTTCTAT
AGCCTCTTTTTACAATGTTGCTCACTTCATCAACAACAAAAAGCAGTCTCCT
CCGCAGCCTGGTAGTCTTCCATCTTTCCTCCGGCGCCCCCGCGTACCTGCC
CG

>Sequence 4229

ACACCGTCAATCAAAATTACTATATAAGTGTATATGTGTTATTCAAATAG TGATACAGGCGATATTACAATTAATTGACTATTGGAATTATAGATAATTT CACAATGTGGATCTTTCTTTCNTAAGAAGAAGTGGAAGTGTGTTATAACG TAGTGTGAATCAAATCG

>Sequence 4231

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Table 4

>Sequence 4232

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>Sequence 4233

AGGTACTCGGGGGGGGTCTCAGGAGGCAGCGCTCTCAGGACGTCACCACC
ATGGCCTGGGCTCTCCTCCTCACCCTCCACTCAGGGCACAGGGTC
CTGGGCCCATGGGGCCCTGACTCAACCTCCCTCCGCGTCCGGGTCTCCTG
GACAGTCAGTCACCATCTCCTGCATTGGAACCTTCAATGACATTGGTAGT
TATGATTATGTTTCCTGGTACCTGCCCG

>Sequence 4234

>Sequence 4235

GGTCCCTTGCTTGATTTTTTTAAAAGTTTCACCCCGGTGCATGTATAGAT AAATCCCTCTAAATTAAAGGGGGGAAACCCGCCGGATTTTAGATCCCGGC GTTTTCTCTTGAAAACTC

>Sequence 4236

AGGTACGCGGGGATTCTTGTCTGTTCTGCCTCACTCCCGAGCTCTACTGA CTCCCAACAGAGCGCCCAAGAAGAAAATGGCCATAAGTGGAGTCCCTGTG CTAGGATTTTTCATCATAGCTGTGCTGATGAGCGCTCAGGAATCATGGGC TATCAAAGAAGAACGTGTGATCATCCAGGCCGAGTTCTATCTGAATCCTG ACCAATCAGGCGAGTTTATGTTTGACTTTGATGGTGATGAGAATTTTCCAT GTGGATATGGCAAAGAAGAGAGCGTCTGGCGGCTTTGAAGAATTTGGACG ATTTGCCAGCTTTGAGGCTTCAAGGTGCATTGGCCAACATAGCTGTGGAC AAAGCCAACCTGGAAATCATGACAAAGCGCTCCAACTATACTCCGATCAC CAATGTACCTGCCCG

>Sequence 4237

GCCTCCCTCTCTCTACCTAACTTGATATTTAATTAATAAGTAATTTA TTAATATTTTTATGGATTAATTATTAATACTACTATCGACTACACGTC TACGATCTCTNCACTCATACAATGTGGTTAGGTACTTTATAAATTTTCCA CTTTTTGCCTAATTGCAACTACTCCGAGGAGGCTGTCTAAGTACTCGGGT ATAGGGTGGGGCTCATGGTTTCCCTCTACTTTGGGATAGGGCACATATT GCAGAGGTAATGCTGTGGCATATAGCTTCTGCCTCAGGGTATCACTGGAG TCACAGGACCCTGCCCACCTGAGTTCCCAATAAAGAAAAACCTCCCCTTC TGAGGCTGCTTTCCCAAAACTCCCCCTGCATCTTTATCTCTTCATCTATC CCACCTCTTGTCTGAACATCCCACCTTTATCCTGTGTTCTGCCTTTGTTT TAATTTTAACTCATGTTCATCCTGCAAACAGAAGCATTCTCTTAGGTCCC AGTTTCCAGTTGATTGCATATCCTTTGATCAGCCCTTTTTCCCATCCTGC CCTATGGTTCTCTAGCCACCTGTGCATGCATGTGTATTTCTGCCTGGTTC TATGGTGTGTGGATGTGTGCATTGAATCTGTCATATTAAAGGGGGTCC GAACCTTGAATCCCTAAAGCATTGCTGCCCTTGGGCCTGATGTTCCTTGG GCTTCCTCCAAAGCATTTTAACAGAAATTAAAATTGGGATGACTGTTTGG GGTGGTATTGGGTCAGAAGAGGTTTTTAACATTCAGTTGTAAATGGATAA ACTTCTCTGGGTTAATTTCCTTAAAAATAATTGTTTGGCTCCTTGGAGCA

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Table 4

>Sequence 4238

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>Sequence 4239

CCGGGCAGGTACGCGGGGAGGCTGGCCGGCGCGCGCGCGGAGGTGGAGTCG TTGCTGTTGCTGTTTGTGAGCCTGTGGCCGGGCTTCTGTGGGCCGGAACC TTAAAGATAGCCGCAATGGCTGAAAATGGTGATAATGAAAAGATGGCTGC CCTGGAGGCCAAAATCTGTCATCAAATTGAGTATTA

>Sequence 4240

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GCATCGATATAATATTTTGAATTTATGATAGATCAGTTGCCACAGGTAAT
TAATTTTTAAATTNNNTTAGGATGGTGATGGCGAGGTGGACTCGATCTAG
GTGAGTTGAATCGGAACTCCACCGCTGTGGCGGCCGACGTACACGGGGTT
TTTTGTAGCGGACAACATGGCGGCCTTCATGCTGGGCTCGCTGCTGTGGA
CTTTCAAGCAGGTCAGGCCTCTACTTTTATCCACACCGCTACCCTCACC
GCTGAATCTCATAACCCACGGGTCCCCCACGGCTCTGCCACCTGTAGTGC
TCGATGGTTCCTTCATCAGCTTCAGGCCAAGTTCGAAGTCACTATGTAGA
CTGGAGAATGTGGCGCGATGTGAAGAGACGAAAAATGGCCTATGAATACA
CAGATGAGAGGCTACGTATTAATTCACTCAGGAAGAATACCATTTTGCCA
AAAATTCTTTAGGTTAGCTAATTAAGATGAGCCCCTTTGTACCTGCCCG
>Sequence 4241

>Sequence 4242

ACGTACACGATCCCATCCACTTGTTCTGAGTCATACCCGATCTCACGAAG CTCCAAGTGAGGGAGGACAGAAGTAAGGAGATAGCTGACGTGGATACGTA GCCGCGTAAGCTTTGCCAAAGCCCTTTCTAGGTCATCTCCCTCTGGGGTC CGGTAGGAGACCTGAGCCTTCTGCAGCATTTCCAGGTGTGTCTCTGTTTC CTTCAGTTTCTCTTTTAACTCTTGCTTTTCCTCTTTGGTTCTTTCCAGCT CAGCTTTCATAATCTGGAATTCAGCTTGGCGATAACCCATGTGTTTCTTG CTCCAGTACCTGCCCG

>Sequence 4243

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Table 4

>Sequence 4244

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>Sequence 4245

AGGTACAAGGATGCTTTGAAAGATGAGGAAGAGAGAGTCCAGGCCACAAT TGATACCGCAAATGATGCCACTGTCATGGCCAGTGAAAGCCTCAGTGTCA TGTCCAGCAACGTCTCCTTTTCTGAGTGAAGTCTAGGATAGTTTCTTCCC CTTGTGTTTGAACAAGGCAAGTTTAGTTTCTACGTTAATGGAAGGCCCAG GTGGGCTTCGAAGGACCGTAGGGGTCTTTGGCATTTTTTGTTCCCATATG GGGGAATGGTAAAAATTTTACCTTGGTTTTTCAATAATTTTTTTAAATGC TTTTTTTTTTTTTAACCAGGTTAGTTTAACCTTCAAAAGGGGTTTA ATTTTATGAAATATTTAATCCCCCCCCAGGTATGGCTTCTTTTAATTCG TGGAAAATTACCCTTCTTCCCCTTAATTTTTGGGGAACCTGGAAACAAG TTAAAAAGTGGCCCAAAAACCCTTCCCCCGGTTAAAAAATGGGGGGAAAA CAAAAATTTAAGGGGGGGGGGCCCAAAAANTTTAATTTTCCCTTGGGCCC TTTCTTTAAACTTGGGGGAAAAAAAAAATTTCCCCAAAATTTAAAACTCTT TAAAAAAAAAAAACCCCCCCAACNNTGAAAAAAAAAAANNNTTAATT TTTTTTCCGGGGGGGGGGGTTTTTTAAAAAATAGTGGGGTGCCCCCC **CCTGGGGGGG**

>Sequence 4246

CCTTTGGNATATCCTNCTCTTTT

>Sequence 4247

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Table 4

AATATTTCTGTGGATTCATTGAGTAGAAAATTTGTTTATAATATGAGTGA
AATTTTTCGTGAAATATCGTGGAGTATATTGGTCGTACTTATTTGGGATT
ATTATCGTGGGATAATCTGTGAATAATATTTGGCAATTG
>Sequence 4748

CCGGGCAGGTACCTCAAGCACAGCCCTGGTCAACTATGTGGTTTTCATGG TGGCAAAGGCTCACCAGGAGTCTCAGCTTGAAGGATGGTGACAATCTCAA CACCCTTCCCCTCCAAACATAAGAGGCCTTCCAAAAGCTCCTATAGTTTT CAAAATAGATGCCCAAAAAGTTTTAGGATGCAAGGCAAAATTGACCACTT TGTGGAAAATGTCTCAAGGGCCAACACTGGGTGTCACTCTTTTGGGGCTT ATTTCCACCCCAGAACCCCAGAAGCCAGACGCCCCCCCAGTTTTAAAAC ATTTTGTGGGTGAACCCCAACCCGGATCCCCCTGTGGACCTTACACCAAA CCTTTGGCATTGTAAAGGTGGAAACCCTTTCCCCGAAATTAACCCAAATT CTTTAGTTTTTGAAAACCTCATAATTCCCCCTTTATTCTTTAACCCCCCT TGTGGTAACCCTCTGGCCCCCTTTTTTAAACCTAAAGGGGAATCCCCCCC CGGGCTTTCACGGAAAATTTCCCATTTTCAAAACCCTTTTTTTAATTACC CCGGTAAACCCCTTAAAGGGGGGGGGCCCCCCGACCCCCACCTTTTTT GTTCCCCCCTTTAAAGGAAGGGGTTAAAATTTGCCCCCCCTTTGGGGGGA AAAAAAGGGGCCCCTAAACCGGGGTTTCCCCTGGGNANNNNANANAGAGA AGAGCCCCGGNGNCCCCAATATATTTTATACCTATAAGAAAAGATAGAAA TGATCCACCCCTCTGCGTGAAATATTCGAGAGAAAAAACGATTTTTATCC **GTAATTGTCGTC**

>Sequence 4249

>Sequence 4250

>Sequence 4251

CCGGGCAGGTACGCGGGGCCATATGATGTGACCTTACTCAACTGATTATC ACCCTCCCTGTCATACAATACTTCCTGGCTCGATTTCCTGGGGGGTGGTC TNANNCCACTCCACCCCCCCTCANCCGAACCTANAGTAAAGGGGCCAAGC ATCCTCCCCAAGGGAAGGCGTTGAAACAAGGAGCCTCTCCTGGGCCTGC CTAACCTCACATTTACCTGACCACAATAACCCGGCCAGAAGAACCGGTGG

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Table 4

>Sequence 4253

>Sequence 4255

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>Sequence 4254
AGGTCGCGGGGCCTTTCCTTTCAGCGGAGCGCGGCGCAAGATGGCAGTG
CAAATATCCAAGAAGAGGAAGTTTGTCGCTGATGGCATCTTCAAAGCTGA
ACTGAATGAGTTTCTTACTCGGGAGCTGGCTGAAGATGGCTACTCTGGAG
TTGAGGTGCGAGTTCACCAACCAGGACAGAAATCATTATCTTAGCCACCA
GAACACAGAATGTTCTTGGTGAGAAAGGCCGGCGGATTCGGGAACTGACT
GCTGTAGTTCAGAAGAGGTTTGGCTTTCCAGAGGCCAGTGTAGAGCTNTA
TGCTGAAAAGGTGGCCACTAGAGGTCTGTGTGCCATGCCCAGGCAGAGT
CTCTGCGTTACAAACTCCTAGGAGGGCTTGCTGTTGGAGGGCCTGCTAT
GGGTGTGCTGCGGTCATCATGGAGAGTTGGCCANAGGCTGCGAGGTTTTG
GTGTCTGGGAAACTCCCGAGGACAGAGGCTAAATCCATGAAGTTTGTGGA
TGGCCTGATGATCACAGCCGAGACCCTGTAACTACTACGTTGACACTGCT
GTGCGCCCACGTGTNGCTCAGACAAGGGTTGTGGCAT

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Table 4

ATCTGGCTGATGACTTGTCACAAACAGCAGATGAGGAAAACGTCAAAAGG AACGTAATTTGGGGGTGGTGGTGGGGGGGGGAACAAAATGTACCTGCCCG >Sequence 4256

>Sequence 4257

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>Sequence 4258

>Sequence 4259

CGAGTACCAACAGCACCCAGGCAAAGCCCCCAAACTCATGATTTATGAGG
TCAGTAATCGGCCCTCAGGGGTTTCTAATCGCTTCTTGGCTCCAAGTCT
GGCAACACGGCCTCCCTGACCATCTCTGGACTCCAGGCTGAGGACGAGGC
TGATTATTACTGCAGCTCATATACAATCAACAGCAGTCCTTGGGTGTTCG
GCGGAGGGACCAAGCTGACCGTCCTAGGTCAGCCCAAGGCTGCCCCCTCG
GTCACTCTGTTCCCGCCCTCCTCTGAGGAGCTTCAAGCCAACAGGCCACA
CTGGTGTGTCTCATAAGTGACTNCTACCCCGGAGCTGTGACAGTGGCCTG
NAAGGCAGATAGCAACCCCGTCAAGGCGGNAGGTGGAGACCACCACCC
TCACAACAAAGCAACACAAGGTACCTGCCCG

>Sequence 4260

TACTTATGGGGGAATTGGACCTCACCGCGGTGGCGGCCGAGGTCCTTCTT GCCCTTGTAGAATTTCCTGAGGTTTTCTTTCTGAGTCTGGTTAATACTGT GAGACACGGGCAATGGATTTCCGGACGACTCGGATCTTAGAGAGCTTGGA GGCCGACCGCCTGTCACTTTGCNACGCGCAGCTGGGACAGCTCACCTTAG GTCGCCAGCTGTTCAGCAGCTCTCTTTT

>Sequence 4261

TCGGTCAGGGACCCCGGATTCCCGGGTAGATGCCCAGTAAATGAGCAGCT TAGGAGGCTGTCCTGGTTTCTGCTGGTACCTGCCCG

>Sequence 4262

AGTACCAGATTCTTTCAAAAAGTCAGATGAGTAAGGGATAGAAAATTAGT TCATCTTAAGGAACAGCCAAGCGCTAGCCAGTTAAGTGAGGCATCTCAAT TGCAAGATTTTCTCTGCATCGGTCAGGTTAGTGATATTAACAGCGAAAAG AGATTTTTGTTAAGGGGAAAGTAATTAAGTTAACACTGTGGATCACCTTC

> Page 863 of 990 of Table 4

Table 4

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>Sequence 4263

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>Sequence 4264

NACCTACTTTTAGGGCNGAATTGGACCTTCCACCGCGGTGGAGGCCCGAG GTCCTTGCGCCTTCCTTTGTAGCCTTCATCAGGGTTTTGGTGAAGATGGCG GTATATAGGCTGAGCAAGAGGTGGTGAGGTTGATCGGNGTTTATNGATTA CAGAACAGGCTCCTCTAGAGGGATATGAAGCACCGCCAGGTCCTTTGAGT TTTAAGCTGTGGCTCGTAGTGTTCTGGCGAGCAGTTTTGTTGATTTAACT GTTGAGGTTTAGGGCTAAGCATAGTGGGGTATCTAATCCCAGTTTGNGTC TTAGCTATTGTGTTCAGACCCGCGTACCTGCCCG

>Sequence 4265

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>Sequence 4268

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Table 4

>Sequence 4269

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>Sequence 4270

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GCANGGTCAGAACATCCACTTATAACATAGCACCTCAGTAGAGCTTACAT
TATAGTGCCAGGGTAGAGTTATTACTGAATAGCTTAGGATGATGAACATT
AACCTTCCTACAGGAGTAGTAGCAGCTGATTTGGTGACCATCATTGGTCA
CCTTTTAGTGTAACTGCAAACTAAGAACAATTATGGCTTGACATATACTC
CATGTAGGGAAGTGATGGGAGAGGCAGCCTCTGTGTGGTCCATCCTTGGA
AGCACTGCATCGATTTTGCTCCCCTCTGGTTTTAAGGAGATCTTTTAGAC
CTTTCCTTGCTTACTGCTTTCAATAAATTCTTGATGGCCTTCGATTCTGG
ATTCAAGACATCTCTTTTTACCCTTCTTTTTTCAATTGTAACAATGATCT
CAACACCGTTGACAAAATTGGCTTTCCAAGAAATTCTAAGATTTTTC
TAAAAAGACCTTGGATTAACAAGGTGATTACCTAAATGCTGATGCAAGTAC
CTT

>Sequence 4271

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>Sequence 4272

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>Sequence 4273

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> Page 865 of 990 of Table 4

TTGTCTTGTTTGAGTGGG

>Sequence 4274

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>Sequence 4276

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TGTAAAGAATGCTACCCCGTGTGGCCAGACTCGGGTAAGCCACCTTTCAA
CTGCTTCAGTGTAATTTATTTTCCCACATCCCAGAAAGCTCTGGAAAAAC
ACATAAATGAATACATTTATTCTCTCACAGGATACTACACTGTTACCCAG
TGTGAAGGGAGCAGCCATGTGGCTCCCAAGCTCCCTTAGCAAAAGGGTGG
TTCTTAGAACTGCTCCATTCACGAGTCCTGCAACCAGAGGCCTGGGCTCA
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CCCGCTTGCGCAGGCTGGTGGGATGGGTGTTTTAATTCGGTCCCAC
AGGGTTCCCGTTGTCCTTAATGAGGACCACGTTGTTGGAGTCAAAAATCT
GGGGGTCATTTGGGGGCCAAGCCATTGCCGTGGCCCCCACAATGAGCGCC
TTTTCTTCTGTCCCTTGATGGGCCATAATTTCTGGCGCCCCCCCTTTGGCCA
CTCCATTTTTTTTTACCCGGTACCTGCCC

>Sequence 4277

>Sequence 4278

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>Sequence 4279

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Table 4

>Sequence 4280

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>Sequence 4281

>Sequence 4282

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GTTGGAGAAAGCATGAAGAGGTATTCATCTGTTACGGCCCTCACGATAAT
CAACGGCTGTTCCTGGAATACGGATTTGTTTCTGTCCATAATCCTCATGC
TTGTGTTTATGTCTCAAGAGAAATACTTGTTAAATATCTTCCATCAACAG
ATAAACAGATGGACAAAAAGATTTCTATTTTAAAGGATCATGGCTATATA
GAAAATTTGACATTTGGATGGATGGACCATCTTGGAGGCTACTCACAGC
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TACCT

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>Sequence 4284

GCGCAGCTACTTCGTTCTATNTTATTGTAATATTGAATGCGGCATCCTCA

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Table 4

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ATATACTCTTTCTCCCCAGCAGAGGGGGAGAGGGGGGTTATCTATGAC
ATATATATCTCAAATTGGTAGCTCCACCGTTGTGGCGGCCCCGGGCA
GGTACGCGGGGACTCCCGAGCTCTACTGACTCCCAACAGAGCGCCCAAGA
AGAAAATGGCCATAAGTGGAGTCCCTGTGCTAGGATTTTTCATCATAGCT
GTGCTGATGAGCGCTCAGGAATCATGGGCTATCAAAGAAGAACATGTGAT
CATCCAGGCCGAGTTCTATCTGAATCCTGACCAATCAGGCGAGTTTATGT
TTGACTTTGATGGTGATGGGATTTTCCATGTGGATATGCCAAAGAAGAAGAAGAA
ACGGTCTGGCGGCTTGAAGAATTTGGACGATTTGCCAGCTTTGAGGCTCA
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>Sequence 4285

>Sequence 4286

>Sequence 4287

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Sequence 4288

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>Sequence 4289

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>Sequence 4290

> Page 868 of 990 of Table 4

Table 4

CTTATTAATTTGACTAGAAAATTTAAAACATTACTCTGGAAATGAACTAA AGTTAGAAAGTTGATTTTAAGAATCCAACCTTTAGAATGGTAAAGGCTAT GAAGGGCTTTGGTCTTCTACCACCCCCCAGTTGAATTTCATCATGCTTAA GGGCCAGATTTTACCAATACCCCTGTTTTCACAGATGTTGACCCAACCAC ATCCCATTCAAAC

>Sequence 4291

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ACTTAGTAGAATTCCACCTACAGAATAGATGGGCTTCTCTCCTGAAGTTC
TAAACCTTAAGAGAAAAAGGCTTGCTTAAAAATGGTATTGTTCCTCAGG
CACAGCACCTTTTCCAAGGTTCCGCTCATCCTTTGCTGCTGCGCGGCCTC
TAGCTGTGCAAACCGAAGACCGGACCCTGCAGCCGCGTTCCCAGGGCGTC
TGAAAACACTGACGGAACGGCCTTGACCAGGTGCAGCCCCCGCGTACCTG
CCCG

>Sequence 4292

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>Sequence 4293

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CAAATCTTACCGAGAGCATTCCCAGTAGTCCTCCACAGGGTCCTCCACAG
GGTCCTTCCCAGAGTCCTCTGAGCTCCTGCTGCTCCTCTTTTTCATGGAG
CTCATTCAGTGAGGAGTCCAGCAGCAGAAAGGGGAGGATACAGGCACCT
GTCAGGGCCTGCCAGACAGTGAGTCCTCTTTTCACATATACACTAGATGAA
AAGGTGGCCGAGTTAGTGGAGTTCC

>Sequence 4294

>Sequence 4295

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Table 4

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>Sequence 4296

TTTTTTTTTTGGCCCAAAAAGCAAGTTTATTTGGTGAATGCTGACGGCA AACATCATCCAAAAAAGACAAGATGGGAAAGTTTCTGAAACAAAAAGCC TAGGGAAACTTTAGGCTAAATACAAAATTTACACAGGGAAAGGCACGGAC TTTGGGGAAACTGGGAAGGGCCTCAGCCATTCAGCACCATGCGGACAAAC TCCCCCCATGGGCCCGTCACCCCGAAAGGATTATGCCTTAAAAAACCCT TAATAGTTGATACAACCATTGGTGTCCTAATGCCCTGCCACCAGAATCTT TAATTTTCCTTTGGCATCTTCTCACCCAATGTGACAAGAACATGCCGGA TTTTAACACCCATGACGGGGCCATTTCCTTCCTTGGCAAACACCCGAAGT TTTGCAACATGGGCAAAAAGTGTTTAAAGTCCAACACCTTTAAATTTATT TAAATAATTTTGGGGGGTCCCAAAACCTTGTACCCCTCTGCTTTGGTAGG GGTTTTGGCCCAAGGCCCTATTAAAATTCCCACAATGGTTTTACATTACC GGGGGGTTTTTTAAAAATTAGGGAACCCCCGGCTTGGAGGAAATTTCTAT TTAAGTTTATTCCGTCACCCTCAGGGGGGGCCCGAACCAACTTTTTT GCCCTTTAAGGAGGGTAATTGCCCCTTGGGTTAA

>Sequence 4297

>Sequence 4298

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>Sequence 4299

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CAGTTCCCCAACAACAGGATCACAAGCTGGAGATGCCTTTAAGGAAGATG
AAGATCCCTTTCCTCCTACTGTTCTTTCTGTGGGAAGCCGAGAGCCACGC
AGCATCAAGGCCGAACATCATCCTGGTGATGGCTGACGACCTCCGCATTG
GAGATCCTGGGTGCTATGGGAACAAAACTATCAGGACTCCCAATATCGAC
CGGTTGGCCAGTGGGGGAGTGAAACTCACTCAGCACCTGGCAGCATCACC
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CG

>Sequence 4300

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Table 4

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>Sequence 4301

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AAATTTGTATTAGTGACAGTGGCCCAGGATGCTGTGTCCTCATCTTAGGA
ATCTGGACTTGCCTCTGCCTGGAATGTCCTTAACTCCCTCTTGCCGGCAA
TTTCACCAGATTTTTGATTTCTTATCCAGTCTCACGGGAAGCCTTTCCGG
CATCTCCCACCCTACCGATCTTCCCGTCTATCTCGCCTGCTAACACTGTG
AGTTTCAGACAGCAACGGATTGAACTCTTCATCTTTTCGTGTCGGCGTCC
TGCACAGGGGCCCCCGCGTACCTGCCCG

>Sequence 4302

TCGCTGGGAAAAATGTTAGGTGAAAACCCGCTTTATATTTTAATTTAAT
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ATTATCACTATAATGTCATATGTAGCTCCACCGCGGTGGCGGCCGCCCGG
GCTGGTACTCGGGAACTGGGAAATTCTGGCCCTACGTGCATTTACAGGCA
ATGAGGGGTTTGTGTATGGTGTCATGAGATCCTCTACCTCATAACAAA
AGGACAGTGGGTAGACTAAGGCAGTAGCTCAAAGGGCTTTGCAAAATTTT
AATATATAAAACAAGAGGCATCTGCTAGAAAACATTCTATGGGATAAAA
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AAATAGTACCT

>Sequence 4303

>Sequence 4305

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AAATCCTGTTACGGGCATGTGTGTGTGAGGGCTTCTATGTGGCCCCCCGA
CTCCATTTTATTAGAGTTTGGCATAAGTGACTCCATTTTGGTTCCAGCAA
CTTTCACATAAGGAAACTGAGGCTTCAGAGAAGTCAAGGGACTTGCCCCC
AGGTCCCACTAACACTGTGCAGTGGAGTGAATGCAAACCCCAGTTTCCCA
GTGGATGGAGCTGCTGTGGGTGAGTGCAAGGTGCGGTGTAACCATAAGG
GTGGTGCAAAGACCAGTGTGGGATGTGAGAGGATCCCTGGGGGAGGCAGT

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>Sequence 4306

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>Sequence 4308

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>Sequence 4309

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>Sequence 4310

> Page 872 of 990 of Table 4

>Sequence 4311

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>Sequence 4312

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>Sequence 4313

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CTCCGGGTAAAAGAACAGTGTCAGGAAGGGGAACAGGAA
>Sequence 4314

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TTTTTTAAACTTAATATATATATTTTCCTACTCCTCCGCTGTTGGCTGCCG
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>Sequence 4315

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CTCCTGCACCAGCATAATCTGCTGCACTGATCTGTGACAGGCTTCTATCC
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GGGTCATGTCCACTGGCCCTATCAGGAATGGAGACTGGACCTTTCAAACT
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>Sequence 4316

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TATTGGTATTTATGTATTTTCTTTTATGTAATATTTCCTTTGCTCGATAT
GATGGTTGTCGCTAGTTACTACTTT

>Sequence 4317

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>Sequence 4318

>Sequence 4319

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>Sequence 4322

> Page 874 of 990 of Table 4

Table 4

>Sequence 4323

>Sequence 4325

>Sequence 4326

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>Sequence 4327

>Sequence 4328

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Table 4

>Sequence 4329

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>Sequence 4331

>Sequence 4332

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GGTACTGAGGCTGGGGAAGGTGAGAAAGGGCTTTGTTCAACCCAGTGATC
ATTGCTCCTTGGGGAAGGCAGTTCTTTTCATAACGTTTCAATTCCTTTTG
AACTAGGAAGTAGTCCATCTGAATAGGTAATCATCTACTGAGCCTCTGAG
TCATTCCTTAGTGATATCTTTGCTAATCCATCATCCCTTTTCCCCAAATCC
TTACTCTTTCTCAGGTTTCTTACTAGAAACTTCCCAATTGCTTTTTGAGG
GTGTTAACCTGAGCTGGAAGAGATTGCACAGGACATGTTGTTTCTTGTAA
GCTGGTGCTAATAAGCTGGTCTGTTCCAGGTGATGTCAGTTTTGGCATTA

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AGTGTGATGCCCGGGTGTTAAGTGAAGATGAGGAAGACGTGGATTTTGAC ATTATTCACAATGCCAATGATACGTTCACAGTCAAATATGTGCCTNCTGC TGCTGGGCGATACACTATCAAAGTTCTCTTTGCATCTCAGGT >Sequence 4334

>Sequence 4335

GGTACGCGGGGAGCTCTGGGAGAGGAGCCCCAGCCTTGGGATTCCCAAGT GTTTTCATTCAGTGATCAGGACTGAACACAGAGGACTCACCATGGAGTTT GGGCTGAGCTGGATTTTCCTTGCTGCTATTTTAAAAGGTGTCCAGTGTGA

>Sequence 4336

>Sequence 4337

GGTACTTTNTTTTTTTTTTTTTTTTTTTGAGACAGGGTCTCACTCTG TCACCCAGTCTGGAGTGCAGTGGCGCAATCATGGCTCACTGCAGCCTTGA CCTCTTGGGCTCAAGCTATCCTCCCGCCTCGGCCTACCGAGCAGCTGGGA CTACAGGCGTGCACCACCATGCCTGGCTACTTTTTATAAAAAAATTTTTTT GTAGAGATGGGGTCTCACTGTGTTGCCCAGGCCGATCTCGAACTCCTGGG CTCAAGACATCTTCCTACCTTGGCCTCCCAAAGTGTTAGGATTACTGCTG TGAGCCACCACACTGGGCCCAAATACCAAATTCTAAATAGAATTGGAAAT TGTGTTATTGAGGATTTAGTGATTACTCTCCCCTATGTCTTGTTAAGTAA TTCTTCTCAAGTTGTTTGCCTTTTTCCCTCTGTTTCTCTCACCAATTATA CAGTGGGGTTTTCCAGAGGCTCTATGACGCGACAGCATCATCACTTTGGG GTTAATGGAATGTGTGTTTGGGGATTTCTGAGTTCCCTAAAATTTTGTAA GTTGGGAGGTTTTGGTAGAATTGGGAAAATTTTAAACATTTAAAATTTAA AAAAAATCCCTTTTTTTCACATTCTTTTGGTAGGGCAAAAATAAAATTT TTTTTTATTAAGTCTGTTTTCCAATTTTGGGACCGGTTTACTTTTAAGGA AATCCAGTTTTCATGCTTTTTGTGAAAAGGAGTACCCTTTTTATTGTAAC TTTTTTTAAAAGCAAATGGTTAAAGACACCACACTTAAAGGGG >Sequence 4339

ACGCGGGGGCCCTTGTTCTCTAGAAGCAAGGAGCCCTCTGACCCCTTCTT
TTAAACAAATTCTTTTGTCTTTGTCTTCATTTCTGCATTTGTCCTCCTTC
GTTTAGTCCTACAGTAACAGCCACAATGGCACCCAAACAGAGACTTGAAT
GAAGAAGGTCTGCTGGAGCAGAAAAGTGAACTGATCAGATGAACGAGG

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Table 4

 ${\tt AACCCCAGGACGAGTCAGCCAGAGGAGGATATAAAGTCAGTGCCCTGAGGAGGTACC}$

>Sequence 4340

>Sequence 4342

GGTACTTTATTTTTTTTTTGTATTTGAAAGGGCAGCAAAATCTTCTTGAG AAATTACATTTTATAAGAAACCCAAATTAACTCGGATAAAATAGATAACA TTATTAGTAAGCCTCAATTTGAAAATTCCAAATTCACAACATTTGCTTAT TCATAAACACGCTTGGTACATTTTCTTTCATTTTCCGGGTTCATTGTAGT GGACACGATCAATTAAAGGTTTGACTCATAGAGACATATAGTTGCAAATG GGTAAAGATTAAGCAATTATGGGTCTTTATAAAGGCGTACATGGTTAGGG GTCTTATAAAGAAAGTGGACCAACATCTGGCTGGAGATAAACAGGGACCT TCGGTATGACAGCCATGTCTGATGGGATCTTAATGTTGGAAAGGCGTGAT CCCCACCTCATGTTGGTTTCTCATTGGGAATAGGGGCCCAGTCAATTGGG TTTGGCCGAGAAAGAGAACTTTAAAGTGCCCCAGGCCCAAAATGCGCTAT TTTGGCTATTGAACCTTGGCCGGAACCACGCTAAGAGCGAGATTCAGCAA ACTGCGCGCCGGACCTATGGGATCCAAGCTTGGGACCAAACTGGGGTAAA CATGGGCAAGGCTGGTTCCTTGGGAAAAATGTTTATCCGTTTCAAATTCC AACAAGATATCTGACCTGTAATCATAAATGTTAAT >Sequence 4345

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GGTACGCGGGTGAGTCCTTTTGCTTTTAGGCTTTTGACTTCTGGTTTTAG ACTTTCTTTAGCTTCTGTTGTTAGACAACATTGTGCAAGCTTGGTTTTTA ATTCTCAGCACAATTTTTAGGCCCACAAGGAGTCAAGCACCTCAAGGAGA TCTTCAGTTTGAACTTGGTGTAGACGCAGGGATACTGATGAATCAATATT CAAATTAGCTGTTACCTACTTAAGAAAGAGAGGAGACCTTGGGGATTTCG AGGAAGGGTTCATAAGGGAGATTTTAGCTGAGAAATACCATTTGCACAGT CAATCACTTCTGACCAAGTTATCAGAAAAAGGAGAAAAGAATGTCTCCCC ACTAAATGTTCTAAGGTGGTGAGAAATCTAGGGTGGTTATCTAAATCAAC AATATTTAGATATTCCAATATCTAAATATTGTTGGAAATACTCTCCTGAA GTGTTCATTGAACTCTAATAGAGACAGCTTGGTGTTTCAATGGGAGGGGT TAAAGGTTCATTTTTTTTTCCATTTTAATCCTTTAAATTTTTAGACAAA TTTTCTTTTGAGTTAAAAGATTAAAAGGGATGGGTTTTGCCTGGGCGCTG TCCCTTATGGGGACCTTATAAGGCGATTGTTCTAATATAAATATCATTAT TATATGTTTAGTTCTTTTCCTGGGCGTGCCGTTTTAAAGAGTTATTTCAA TTTATTTGTAGTCGTTATTAGGGATCCAGCCT >Sequence 4346

TTTTTTAACAAATTTTTTTAAAAGAAAATAAAAAAATTTTTAATATAAA AAATCCCAAAAAAAAAATTTCCAAAAACCGAAATTCCTTTTTTAAACA AAGGTTAAAAAAAATTTTGGAAAAAAACCCGGAGAAAAAAACCCAAACT TTCCTTTAAAAAAAGGGTTAAAAAAAAAAAAACTGAAAGGAAAACAAATA GTAAAAACCAAAAGAATGTTAATGAAAAAAGGAAACATTAAAAATTCAAA TTTCCCCTATGAAAAGGATAAAAAGAAAAACCCAGTAAAATGGCCGAAA AAACCCTTAAGGGGAAAAAAAAGGAAAAAGGGGGGGGCCGATAAAAAGGAA ACCAAAACTGGGAAAAAAACTGGGGAAAAAAAAGAACAAAAAATGGATT

>Sequence 4347

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TGGAGGATTTCTCGCAATCCATACAGTTCTTAAAGGACCATAATAACTGA
AAGCCCTTTCTAACTCTCCTTTGCCGGCGCCCAGTTCCCAGGTTACCAACA
TACACCTTGGTTTCTCCTCCGTACGAAGATCTCTATAGTAACTGTAAAAG
TTTGAAGCTCACATTAACCTGTAAACATCAGTTGGTCAGGGACAGTTGCA
AGGCCTCCTGCAATTGTTCAAACAGCATTTATTAAATACGCATTTACACAC
CGAGTAGGGCTATGTAGAGAGAGGAGTCAGATTATCTACTTAGATTTGGCAT
CTACTTAGATTTAACATATACTAGCTGAGAAAATTGTAGGCATGTTTGATA
CACATTTGATTTCAAAATGTTTTCTTCTGGGATCTGCTTTTTATTTTACAA
AAATATTTTCATACAAATGGTTAAAAAGAAACAAAATCTATAACAACAA
CTTTGGATTNTTATATAAAACTTTTGTGATTTAATTTACTGAATTTAAT
TAGGGTGAAAATTTTGAAAGTTGTATTCTTATATGACCTAAA
ACCCTGGATTGAAAGTGAAAATTATGTTCCTAGAACAAAATGTACCTTGG
CCGCGACCCACCTAGGGG

>Sequence 4348

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Table 4

CAAAATCTTAGCTTTGATATGCATTAATTAGATGCTTATTAGATATTAGA
TATCTACAAAATACCTTAAATAAATTGCAAGCAGATTAATGTTTCAAATA
ACAGGCATTAATAAACATCTTCTGTAATGCTAAACTTATCCGAGGAAACC
TAGTATTTCTGATATTTAGTAAATACATGTTTTATTTATGAGCAAGTTTT
AGACTGCCAATTAGCTGGAAAACTTGCTAATGAAATTTCATCAGAAGAGA
ATCCAGGCAATGCCTTCTTTCATCTCTTCAAGGCATGATGGGCCTCTGAT
TGAAAATGAGAACTTACCTCTTGTTAAAGTCATTGGTTTCTTCAGAGGA
CATAGCATTCTTGAAGAAGGAATGGCACGTGTTAATGCGCAATACACATG
CCTAGCTTTTTTATTAAAAAAGTAACCTTTTTTAATCCCAACAGTTTTAATT
TTCAACCCTA

>Sequence 4349

ACTTAATATGATTCTTTTCTCTTTCCACATAGAGAATCAGATAATCTATA CAGTGACCCCCAAATTTCATATGAAGTTCCAAACCTCAATGTGACTGTA TGTGAAAAGAGAAGGGGGGGGGGGGGGGGGGGACCGACCTATTTGT TGGTCTCCATCGTGTGAAAACATGAGGAAGTGGGCACTTACATGCCAGGA AGGGAGCTCTCACTAGAGGTTGACCATGCTGGCACTCTGATCTCAGACTT CCAGCCTCCAGATATGTGGGAATATAAATTTGTGTTTTTGGGCCAGATACG GTGGCTCAGGCCTGTAATCCCAGCACTTTGGGAGGCTGAAGCAAAAAGAT CCCTTGAGCCAAGGAGTTCAAACCAGCCTGGGCAACATAGCGAAACCACA TTTGTTTTTGAGTTGGTGTTTGTTTCTTTGGTTTTGAAGTGGTGCTGCAC GAAAGGAATTCTTATTGAGCACCCACTTTGTGGCTGGACCCATCTGAGTA TGTCACCCCAAGGATTTGGATTACATGGCATCTTGGCACCGCATGGGGC TGGAGGGGAAAGAATAAA

>Sequence 4350

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>Sequence 4351

> Page 880 of 990 of Table 4

Table 4

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>Sequence 4352

>Sequence 4354

GGTACTACAAGCCCACCAAGCTAAAGAGGCTGCCCAGAAAGCAGTTAACA GTGCCACCGGTGTTCCAACTGTTTAAAATTGATCAGGGACCATGAAAAGA AACTTGTGCTTCACCGAAGAAAATATCTAAACATCGAAAAACTTAAATA TTTTTTTTTTTTTTAAGATAAAAGATTTATTCACACCACAAAAAG ATAATCACAACAAATATACACTAACTTAAAAAACAAAAGATTATAGTGA TCTACATAAATTTCTATTCATGAGAGAATAACAAATTTTAAAATCCAGTG ATAGGTTGCATTTCTTATAGAATGAACATAGACATAACCCTGAAGCTT TTAGTTTACAGGGAGTTTCCATGAAGCCACAAACTAAACTAATTATCAAA CACATTAGTTATTTCCAGACTCAAATTGATCCACATTTCACCAATAAACT GAGAAAGAAGCATTTAATGTTCTCTTTCATTTTGCTATAAAACATATTTT CTTTTGACTAAATGCAAAGGGAGAAATTGAATTTTTTCTCCCTTTAATTG ACCTCAAAGAATGACTTATTTAATTTTTTGGGAATCCCAAATTTCAGGGGT TAAACTCTTCCTTACATTGGGGGCTACAACCAACTTATTTTCTTTGGTGT GAAAATAATTGGGTGGGAA

>Sequence 4355

> Page 881 of 990 of Table 4

Table 4

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>Sequence 4356

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>Sequence 4357

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>Sequence 4358

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GGTACCCATATACTAACCAGTTTGGGGCACATAAATGTTACAAGGGAGAA AAAAAGATTTAGACTAGCATGTGAATTNTCATCAAGCAGAGACCACCTTG

> Page 882 of 990 of Table 4

Table 4

>Sequence 4360

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>Sequence 4362

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Table 4

GTGCCAGGTTCTTCCCAGTGTTCAGCCACTGTGTTGATCCTCCACAAAGG CCTGCCATGCACCACTCTGACAAGGCATTCTACCAGGTCAAATGCCTACC CAAGAGTGCTCTCAGGATCCATGTTGCTCAAGCAGGCCCGCGTACCTGCC CGGCCGGCCGTTCGAAAGGGC

>Sequence 4363

CATGATATACTATCGGATGCGACCCACGCGTCCGCTCCGGGCTCAGTTTG ACCACAGTATCTAGCTATGGCGGCAGTGACCTGGAGTCGGGCTCGATGCT GGTGTCCGAGTGTCCTGCAGGTCTTCAGATTACAAGTGGCTAAACTGCAC TTGGGCAGACCAACAATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATT GAACCAGGTGAAACTCTTGAAGAAGGACCCGGGAAACGAAGTGAAGCTAA GACTCTATGCACTGTACAAGCAGGCCACAGAAGGACCCTGTAATATGCCT AAGCCTGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCATGGAA TGCCCTGNGCAGCCTACCCAAGGAAACTGCCAGGCAGAACTATGTGGATC TCGTATCCAGTTTGAGTTCCTCATCTGAAGCCCCGAGCCAGGGAAAGCGT GGAGCTGATGAGAAAGCCCAGGAGTCCAAAGACATCCTGGTAACTTCTGA AGATGGCATCACGAAGATCACGTTCAATCGGCCCACCAAAAAGAATGCCA TATCCTTCCAGATGTATCGGGATATTATACTCGCACTTAAAAATGCCAGC ACTGATAACACTGTCATGGCTGTTTTTCACAAGAACTGGTGACTACTACTG CAGTGGGAATGACCTGACTAAACTTACTAGTGCCACTGGGGGGATAGAGG AAGCAACTAGCAACGGTGCTGGGTAACTGANGGACTTTGTAACAAGTTTA TAGAATTTCCCAACCCTTTGTTGCGGAAGTAAATGGCCCAACTGGGGAAA TCTTGCAACCTTCTGGGACAATTGATGCCTGCTTTGCATAAAACAGGGCA ACCGTTATACTCCATTAAGCCAACTTGGGCAGAGCCCGGAGCATGCTTCT TTTACACGGTTTCGAAGAG

>Sequence 4364

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>Sequence 4365

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Table 4

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AACCCTTGTCTTTCGGGGAGGCGTGTTCTGGACTGTGGGCACCTTTGCTC
AACTTTGAAACAATGTCCCCCTAAAAACTAACTTTATGGGACCTGGATTA
TGATTACCAAAGCTGGCCGATCCAACTTTTTTTT
>Sequence 4366

GCCTTTTCAAGCGGCCGCCCGGCCAGGTACAGGAGTGTCGTGGTTGCCAA CATTACTTGGAACTGCACACAGATAAGTTATAACATACTTTGTGGAGCAA TGCCTCTTAAACTTTTGTGTCTTGGGTTATTTTGTGCTGCTATAACAGAA TATCTGAGACTGGATAATTTATGAAGAACAGAAATTTATTCTCTCATG ATTCTTGGAGGCTGGAAAGTCCAAGATCAAGGCTTCATCTGGTGAGGGCC TTTTTACTGTATCCTCACGTGGCAGAAAGACAGAAGGGCGAAAGAGGGAC AAAACTCTTTGTTCTTTACATGGCAAAAGGTCAAAAGAACAGACCCCATT CCTCCAAGCCCTTTCATAAAGGCACTAATCCATTCGTGAGGTTGGAGCCT TCATGACCCTAAACACTTCCAAAACACNCCTGTCTCCCAACACTTTTGTA TTTGGGGATAAAGCTTCCAACAAAAGAATTTGGGGGACACATTCAGAACC TTATTTTTGGGAAGCAGGCAAATAGAATAAGCCTGAGAAAACATTTTTTT TTAAAAAAGTCAAATACTTTTGTGTTTAATAAAATATGGGGCACAAGGGT ATTATTAGGCCAAATTTTGCTTTTCAAATAAAAAGGGCCGGGACAAAGG GGTTAAAAATTTTGTGAGCCCGTTTGATTTACTGGCCCTTTTAGAGGGGC GAGGGGTGCCAAAAATATGGTCGGGAATTAAAACCACATTTGCCACAAGG

>Sequence 4367

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>Sequence 4368

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Table 4

>Sequence 4369

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ACATGGATGGGAGCAGCTTCACCAACCCCTGCAAAGTGACTCTGAAGAAG ACGACAAGCCCTGCTCCAGTCACACCCGGAAGCTGACTGGTCCACGCACA GCTGAAGCATGAGGAAACTCATCGCGGGACTAATTTTCCTTAAAATTTAG ACTTGCACAATAAGGACTTCAACTGACCTTCCTCAGACTGAGAACTGTTT CCAGTATATACATGAAGTCACTGAGGTAGGACAAAAGATTGCTATGGTCC GGGGTTTTTCAAAATGCACAGTAAGAAGGTTTTTATCTTAGATATACAA GAAGAAAAGATGATCCAATTTCATAGCTTATGGCCTCAATACACAGGTTT TGCCAAAAGAGGTGGAGCAGTTCACATTATGCTTTTTCTACCACCCAACC CTTAAGATCTTAGTTGCAGATTTTAACTTGGTTTTAAAATGGTATCATAA TTTACCACAATTAATATGTTACATTTTTTTGGTTATACCCTTCCAAAAAT TACACACTTATTGGTATTATTTGCGAAATTACTCTTGTAAATAAGGGAGG GCCTACACATAATTATAAATTGGGCGTCCTGTATATTAAACAGCGCCAGG GTAAAACATGGTGCCCACCTGGAATAGTTTAATTTGGGATGAGCAAAT >Sequence 4371

TATCTATACTATAGGGAGTCGACCCACGCGTCCGCGGACGCGTGGGCGGA CGCGTGGGTTGCGAGCAAGCACGCAGTAAAACTGCACCTTAGTAAGACGC ACGGCAAGTCGCCAGAGGACCACCTGATCTACGTGACAGAGCTGGAGAAG CAATAGTGTGCCGGTGTGCAGGTGCTGCAGAGTACTGTACTCCTCTT GCTGCACTAGGCCTGGCCTGGACCTCGGAAATCAGTCTCTCTTT GTTGCTGACCTGCCTATCTGGACTTGGTTTTTCTCACACATATTTTGTAG TTATATTTATATGCTCTTTGTCTGATCTGTGCATGTTATTTTTCTTTTCT TTTTTCTTTTCCGTGAGTCAAAGTCTGACCTTTATTTTCAGCATC CGTTCTTGTTGAGCTATCTTTTGTAGGAAATAGTGGGGGCACGCTTC GGAGACATTGTTTAGCAGTAAAGAAAAAGATACAAATAGCAGCGATAAAG AGACATCCTAAAATTACAAAGTTGCCATGACAATAAAGGTCACAGGACCT GGTAGTGTCAAGTTTAACCCTTTGAGGACTTTATCTCTGTGCCTTTCACT

>Sequence 4372

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Table 4

TATTACTACTATAGGGAGTCGACCCACGCGTCCGTAATTACTCTCCTCGG TGGAAGGAAAGATGACAAATGATGGTTGGAGGTGTCCCAGAGGAAATGA CCGGTACCGGAGGAATGATTCAGAGAAACAAAATGAAAATACAAGAAATG AAAAGAATGACATCACTGCAGATAGTAATGATCCAAGTTCCACAGATAAG CATAGNAAGTGACTGGGTCCCAGTTGGGTAACCAGAGAAAANTAAACTCT GGGCTCAGATCCCAAGGGACCAGAAATCCTAGAAAAGGTTAAAAGAATTC CTCACTGGGAAGAAAAATCAGAAATGAAAATNNTCAGGGAATTCTTGGAC NTTAAAAACTTTGGCCCAAGGCTTGGATGTCCAGCCCGTGGTCGAAGGCG GCCCGTGGGAAAAGGTGCTTACAAGAGGGTAATTTTTGCCTGTAATTGAC CAAGAAGCGAGAAACAGGTGGCAANAGCTCGTACACCTCCTTCTCAGGGG GAGCGACNTCTTNTCAAAGTCTTGCGGGAGCAAGCAAGCCCCTTCTAAAG CGCCAAAAAGTTGAGCAGGGAAAGCTGTCCTTTTGGCCACAGGCGGCAAG ACAAGATCAGGGGTGGGACCGTTCTGCATTCTAAGCTTGGGCAAGTAAAG AAAAGAAACTCTGCCCGCCAGATTGTGCAAGAAGCTAATTACTTTCGCGG NGCGGGAAGGAAANCTCTTCAAGGCCCCGCAAGTCTTGGGTNGATTGAGA ACAAGGAGGAGGACACCTTGAGCCAGGATTCCTACCTTAAAAGGACC CAAACCAAACAAAGTCCGATGGTCTTCAAACTTGCCTGTTAACATTGATG CAAGCCACACCATGAAGTGTGATGGCAACCCTTCAAGGGGAACGCCCCCG GAACCCGCCTGTTGGCCGGTTTCCCTATTCCCAGTGGGGCTTGCCGGGCC CGAAGAATAATATGCACACGGAACCCTTTTAACAATGCCCCCTTCGAATG CCCTTGAATTTCCAACCAGAAGTCCTTTCTTGCAGGTTG >Sequence 4374

AGAGCAAAGTTGGAGACATGCTGGAAAAAGCTGCCGAGCTGCTGATGAGC TGCTTCCGAGTCTGTGCCAGTGACACCCGTGCCGGCATAGAAGACTCTAA GAAGTGGGGATGCTGTTCCTGGTGAACCAGCTATTTAAAATCTACTTTA AGAAATCAACAAACTCCATTTGTGTAAACCCTCTTATCAGAGCCATCGAC AGCTCGAATCTGAAAGATGACTATAGCACAGCGCAGAGGATCACGTACAA AACAAGAGGATGATTCTGATCTACCTGCTGCCAGTGAAGATGCTGCTGGG TCACATGCCGACCATCGAGCTCCTGAGGAAATACCACCTGATGCAGTTTT CAGAAGTGACCAAAGCCGTCAGTGAGGGCAACCTGCTGCTGCTCAATGAA GCGCTGGCAAAGCACGAGACGTTCTTCATCCGCTGTGGCATCTTCCTCAT CCTGGAGAAGCTTGAGATCATCACGTACAGGAACCTCTTCAAGAAAGTGT ATTTTGTACTCAAGACACATTAGCTGTCCCTAGACGCCCTTCTGGTCGCT TTGAAGTTAATGCACGTGAAGACGTGGACAATGACCAGGTCCAATGCATT CTGGGCAACTTGATATCCATGGGCACATTAAAGCTACATCTTCCTTAACA TAAAAACTTGTCGCAGGAAGCAGAACCCTTCCCTCGTTGGCACAGGTGCT GAGCCCAAGCCTTGCAACACGGCTCTTGTTACGTGTCCGGTGGACTTACA TTTCT

>Sequence 4375

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Table 4

>Sequence 4376

GATCTTAGGAGTCACCCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGG CGGACGCGTGGGCTAGTCTGTCCATCTGTCTTGTTTATCCACTGGCTCTC CATTTGTCCCTTTGGAGAGGAAGGTGGGAAGGCAATGTCCTGTCCCATTT CATGCCTTGCATTCTGCCCATCCCTTCCCTCCTCAGCTAGGACACACN AGCCCTTTCTTCCCATGCTCTGTCCAGGACCACAGTCTGGTGCCTGA TTCTTTGTCCATCACCAGGACCTAAGCTCTCCCTGGGTCTGTAGCTGGCT GCTATCACTGCCCACTCTGACCTGCCAGGACAGATGCAGGTAGGAGACTT TGGGGCTGCCAGCTGCCAGGCTTTCGGTGCTAAGGCCTGCAAGGG GCCTAGGTACGACCCTCCCTGACCTGTGCTTGGAGCTGGCTCTTCAG CAGTGAGGCCCAGCCCAAGTTGAGTCTTCTGATCGGNGACTGAATTCAGA GGCCACCTCATCCCACCAGCCACTAGAATGATGCCAGCACTAGGGTTGGT GGGAAGTGGCAACTCACTGTCCCCTTCCACACCCTCAGTCCTGCCAAGCC CCAGATGGGGGCCTCTCAGTGCCATTGACACTGCCCAAGAATGTCTAGAG GCCACGGAACCGTGCCAAGCACACAGTCCCTTTTGCCTCTTTCACGGGAG CANGAAGTCCAGTGCCTGTCGTGGAAAGGGAAGAACATGCCANGTTCCTG TGTGTCCTTGCCTTACCAAAGACTCAGGCTGGTTCTGAGTTCCGT CAGTATTTACCAAATTCTGTGTAGTCACGTAGGCCTAAAGCCTTGCCTTA CAGAGTCACCACTCTGCCCCTGGCAATCTGTNCCTTGCGTTACGAGTACC CAT

>Sequence 4377

>Sequence 4378

TATCTATTCACTATAGGGAGTCGACCCACGCGTCCGGAGAACGGAAATGA GTTCATGTGACTTCTCGGTGCTAGTTGGCCATCTTGGCTCAATGTTGGGA CACACTATCAGAGAGGAGTCTTTTTTTTTTTTCCCCAATGATATTCTGT TCAAAATGAATTCTGAAGGAAAAGTTGCTCATGTCTGTTTCAGAGCATAC NNCCTTTTAAATCTTTTTAGACTANCTCTTCTAGNAATTCATCATNAACC CCAAAATAGATAAAAGCTATCTAGAAGTTGCCCTGACAAGCTATTGCACA TCTCTGGTAAATCCTGCTGAATGTAAGGAATATTCAGAGCTCTCATACCT CATCATGATGTTATTTAAGCAGCCAATTTACACGACCTGATTTACTTTGA AAAATTTGTTTCATTCAAACTAGAAAGTTCCAGAGACAAAGGACATTTCT CAGCCAAGAGTGTGATGCATTCTTGCCCTAGTCTTTACTTGTGTCTGCTC TGGGATGGATGCTGTCTGATGTCTGTTACCAATGGAGCAGATACCACAAA ACTAGTCAACTCCCGTCTGTCCTGTTGTTTTCTAGTGCTGCTTTTGTGCTG AGAGAACATGTTAGTTTACTGAACTTGACCTGTACAAGACTGATTCTTTT AATTTTAAGGTTAAATTANGTGGTTAATTTAAAGATGAACTTTCAATGGT GCCTTTACATCACATTACAGTATCACTTCTTTAAGAAGTAATAGAAGCAC TGGTTCATAAGTAAAAATCGGTTTTTAGCTTTGAANAAAAAAAAANANTAA ACACTTCCCCTGGACCTGAACCTAAAATGAAGGCCATTGTTGTGGAACCT

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Table 4

GGTTTTGCACTTATA
>Sequence 4379

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TGGCTTAA >Sequence 4380

TATCTTTACTATAGGAGTCGACCCACGCGTCCGTAAATCTGTGGTTTTAT TTTTCTGTAAAACACTTAAAGGGGAAGTAATATCTTGGCATATTTAGAAA TACTTGTGACTGGCTTCAAAATATAATTTCTTAAATATCTTATAGCCGAT TTTAAGTTTACATTTTCTGTACATGTTATGCTTAAAACCANTACTGTTCA AGATGAGCAATCAGACTTATGTTTTATTTTTATCTGGGTAACATATTATT TTGAAATTTTCATCTTAAGTAAAGGAGCTTTTGATAATCAGTCTCCTGTA CAAATATTAAAATAATATTTGATTTTAAATCATCAGCATGTTCAAAATA CCCATATTTATAACTGTTACCACACAGTTGAATATGTTGCAAAAATTATG CACCTTTATAAACAGGTGCTAATTGATATGAAGATCATTTTGGTATGTCC TAGATAGAATGAAGCCAAATGTCTGGATTTAAAACAATTTCAAACAATCA TTTACTATTTTGCTTTACTTTAAAGAACATAAATTTACTTCAGTTATTCT ATCTGTAAAGAATTAATTGGTATAAGAAATAATCCATTGACTGTGTGCTG TAATGTGGGAAAATGTCATGTTTTTCACAAGTTCTATCAATGTGAAAATA **AAATTAATTTTTGCCTTTAAA**

>Sequence 4381

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ATTTCTGGAAACTTCTACAGAAACAAGTTAAAGTATCTGGCCTTTCTCCG
GAAGCGGATGAATACCAACCCCTCCCGAGGCCCCTACCACTTCCGAGCCC
CCAGCCGCATTTTCTGGCGCACTGTGCGAGGCATGCTGCCCCACAAGAAC
CAAGAGAAGGCCAGGCTNGCCTCTGGAGCGCCTCAAGGGTGTTGGATGNN
GGATCCCTCCACCCTATGACANAAGAAAAAGCGGATGGGGTGGTCCCTGG
CTGCTCTCAAGGGGTTGTTCGGCTTGGAAGCCTACCAGAAAAGTTTGGCT
TAACCTGGNNGGCGTCTGGCGCCCATGAGGTNNCGGGTGGAAAGTACTCA
GGCCAGTGACCCAGCACTCTTGGAGGGAGAAACCCGGAAGGGAAAAGG
CTCAAAGATGCACCTATCGGGAAGAAAANGCAGATCTTGAGGGTTAC
GGGAAACCAGGCANGAAAAGAAATGGTGGAGAAGAAAAATCTTGCAAGTT
CACAAGAGGGTCCTCAAAGACCAACGGGACTTCCTGGGTGTGAACCCCAA
TAAAAGACTGGTTTTGCCTT

>Sequence 4382

TAGTATACTATGGGAGTCGACCCACGCGTCCGGCTGGCCGCCCTCCCG GCGCTCTCGTCCTCCGCTTTTGCACAGCTCCCCGTTCCAGCCTTCGCCAT GGGATTCGGAGACCTGAAAACCCCTGCCGGCCTCCAGGTGCTCAACGATT

> Page 889 of 990 of Table 4

Table 4

ACCTGGCGGACAAGAGCTACATTGAGGGGTACGTGCCATACAAGCAGACG TGGCAGTATTTGAAGCAGTTTCTGGTCCACCACCTGCTGACCTGTCAT GCCCTACGTTGGTATAATCACATCAAGTCGTATGAAAAAGAAAAGGCCAG CCTGCCGGGAGTGAAGAAATCTTTGGGCAAGTATGGCCCTAGCAGTGTAG AAGACACCACAGGAAGTGGAGCTGCAGATGCTAAGGATGATGACGACATT GATCTCTTTGGATCTGATGATGAGGAGGAAAGTGAGGAAGCAAAGAAGCT ACGAGAAGAACGCCTTGCACAGTATGAGTCCAAGAAAGCTAAAAAGCCTG CAGTTGTTGCGAAGTCTTNCATCCTACTAGACGTGAAGCCTTGGGATGAT GAGACGGACATGACAAAACTAGAGGAGTGTGTCCGAAGCATTCAAGCGAT GGCCTGGTGTGGGGCTTCTCTAAATGGGTTCAGTGGGATATGGAATTAAA AAGCTTCAAATACAGTGTGTAGTTGAAGATGATAAAGTTGGAACGGATTT TCTTGGAAGAAGCAAATACTGCTTTTGAGGACTACCTACAAGCCATGAAG GTGGCTGGTTTTAACAAGAATTAAATATTCTTAAGTCAGTGCACTAAATA AAAACTTGAAAGATAACCTTGGCTCTTAATTTGGCGGGAAAGGGATGTTT TATTTTTGAGGAAAGGATTCATTGTACTATATAGTGGCAAAACCTTGACC **GGAAGAGAATTGCTTT**

>Sequence 4383

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>Sequence 4384

>Sequence 4385

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Table 4

>Sequence 4386

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TATATATCGGAGTCGACCACGCGTCCGGCCCGGGTGTATGCTGAAAATGC CATCCGCAAGAAGAATGAAGGTGTAAATTGGCTCCGAATGGCCTCCCGTG TGGACGCAGTGGCCTCCAAGGTGCAGACAGCTGTGACCATGAAGGGGGTG ACCAAGAATATGGCCCAGGTGACCAAGGCTCTGGACAAGGCCCTGAGCGC CATGGACCTTCAGAAGGTGTCTGCAGTGATGGACAGGTTTGAGCAGCAGG TGCTGTCTCCCTTGCCCTGTGATGTTCTGGAGGCTTCTGCCCAACTGCGC TTCACTTTCTCCAACCCTTCGTAGCTGCCTGGGCTCTTTTCCAACCTGTC AGGCTGGCGCCTTAGAACTGAGCCTTAGGTTGGGCAGCGGGTCTCTGTCC TGGTATTGAATTTGCACAAGTGTGTGGTGACATATGTGCGTGTGGGCCAC AGCTGGAGGATGGCAAGCTTTCTGTTGTCCTCTGCCTATGTGGAGTTGAC AGGGTTTGGCCTGCAGATGTGTGTGGACTTGAGCCCAATGCTTTGGGGCC TTGAGACTCCAGCGACTGCACACCCGCTCTGTGCTGCGGNCAGGGAGGGT GAGAACCATCGCTCCTTTGCCAGGAACTCTTGGGAGGCCTCTCCCCCTTG GAGCGAGGAAATCCAATGTGTGACAGCCCTTAAGGTTCTGTGGACATTTG GTACCAGGTTGTCAGTGCCACCACACTGACCTGGGCCTTTACAAATGGTT GCTCTCTTCATCTTTCAGGGCTGCGGCCCTGTGGCTACTTGCGGCGGCTG AATCTGCGTGGGCTTTTTGCTTTTAACTTCTTTTCCAAGCCACAAGGACA GAAATACCATCCACTTCAGGTCCGCTCCTTCTAAAAAATTTTCACCGGCT TTT

>Sequence 4388

> Page 891 of 990 of Table 4

Table 4

>Sequence 4389

>Sequence 4390

>Sequence 4391

ATGGGGTTGGCTTGAAACCAGCTTTGGGGGGGTCGATCCTTCTTTTGTC TAGATTTTATGTATACGGGCTCTTCGAATGTGTGGTAGGGTGGGGATAGC GATGATTATGGTAGCGGAGGTGAAATATGCTCGTGTGTCTACGTCTATTC CTACTGTAAATATATGGTGTGCTCACACCATTAACCCTAAGAAGCCATTT GGCAGTTTATTGTTTCAATTTGGGAAATTATTCCCAACCCTGGGATGATA TAATATTAAACTTTAAGTTGACTCGATATTCAGACTAGGTTCTCCTCTTT CTGTGCGGTCTGTCTCCTTGAAAGGGCGGAATTTCTAAATAGTGGAGGTC CGTTCTATTGGATCCGATCTTGGGCCAATCTTGGTGGTAATCAAGGTTGT AGCTGTTTTTGTTTTAAATTTTTTTTCGGTTAAAATTTTATCCTATTTAC TTTCCGACACTATAAAACTCAAACCTTGGGGTCTAAATGATGAGCTTATT AAATTAATTGCGATGTGCTTAATTGCCTTTTTTAAATGGCAACTTTGTCA ACCCGTATCTTTATTGACTCTGCCTATTTTCGATTGAGCCACTTTCCGTA TTAGCCCTTTTCTTTGTTGCTTTTTAGTTTTTTTTTTCTTCAGTAATTCGTTT TTTGGTATCATTTTTTTTTCTATGAGAGTTATTT

>Sequence 4392

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Table 4

>Sequence 4393

ACTITITITITITITITITGAAAGACCCCATCAAAGATAGTTGAAGA ATGAGGAGAAGGATCATGTTTAAGAAATCCATGTAATCATACCATTAA GAAGGGAACCCACATGGGCAGGGTGGTGGTGGGCTCAAATGCCTGTAATC CCAGCNAATTTGGGAAGGCTGAGGGGCGGGCAAATCACAAGGGTCAGGGA GTTTTGAGTCCCAAACCTGGCCAACATGGTAAAAACCCTCGTCTTCTAAT TTCCCCAGCTACCTCAGGGAGGCTTGAGGCANNGAGAAATCGGCTTAAAA CCCAAGGAGGTGGGAGGGTTTGCAGTGAAGCCCGAGAATCATTGCCACTT GCACCTCCAACCTTGGGGGGACAAGTGCGAAGACCCCAATTTTAACAAAA AAGGAAAATAAAAAAAAAGAGGGAACCACTGTGAAAATATATTGTTTTCC ACATGAAGGTTCCCTTTTAAATTCTTAAGGGTTTCAAGCTTGGGTCAAGC CCTTCTTATAAAATATTCTTGAGGGCAAATTACTTAAAATAATATAAGGG CTTGGGTTTGGGGGTTGGGGCCAAAAATTAAAAAACCGCTTCTCAAAAA TTCCCCCTGGGGCCTTTTGCCCTTAATCTGGGAAAAAGTTTTTTTATAAA AAACCAAAAACCTTTGGTTCCAAATAAGGAAATTGGGTATATTAAAATTG GATATTTTATATCCCGGACTCTTGGGCGGGAGACACACTTTAGGGGGGAA AATTCCAACACACTTGGGGGGGGCGTTTATATATTGGAACCCGAATCTCGA GACTAAAATCTTGGGGGATATATTGAGATAATATTGCTCTCTCGATAAA AATATAATCCTCCCT

>Sequence 4394

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CTTTGTTCTTACCCTCTTGACGAAAAATCTGCTGTGCTCACTCTTTGGGT
CCACACCACCTTTAAGAGCTACAACGATCACCACGACAGTCTGCGGCTTC
ATTCTTGAAGTCAGCGACACCACAAACCCACCAGAAGGGAGAAACTCCAG
ACACATCTGAAGGAACAAACTCCAGACCACAACATCTTTAACAGCTGTAAC
ACACACTGTGAAGGTCCACGGCTTCATTCTTGAAGCCAGCGAGACCACGA
ACCCTCTGGAAGGAACCAACTCTGGACAACAACAGGACGTGAGACTTTTAC
CTGCTCACTCAGAATTATTTCCGCACCAACCATGGCCACGTTTGGGGAGC
TCAGTACCTGCCCGGGCGGGCCGTTCGAAAGGGCCAATTTCAACACCACT
>Sequence 4395

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Table 4

GTTTCCAAAGTATTGAGGTCCCCCCAAGTGGGTAAAATTAGACTTTTTTG AAACCGAATAATGGGAACATATTTCAAATAAACCTAAATTAATGGC >Sequence 4396

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>Sequence 4397

>Sequence 4398

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>Sequence 4399

>Sequence 4400

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Table 4

PCT/US01/00798

>Sequence 4401

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>Sequence 4402

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>Sequence 4403

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>Sequence 4404

>Sequence 4405

>Sequence 4406

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Table 4

>Sequence 4407

GGTACGCGGGATTGTGACCCCGTTGCATGAAGTCAGGTGTGGAGTTTTCC
ACTTGTGGTTATCATGTTGTCTTGCTGTCTCAAGTAAGTTTTTCTGATTA
TTTGGAACAATTTTTGGAATTATTGGGATATTTTCACATTTAGTGGGATT
ACCTTAAATGTTGAGTAGTAGTACTTAGTGCCCGTATCATGTTTTCCCTG
GCACTTGCTTTGCCTTGGTTGGGTTCTTGAAACTTGGGGGCTTCTGGATT
CGATTTTATCTGTAGGGGTGCCCATTTTTTGTTGTTGTCACTTTCATGTT
GGATAAGGGGGTCCCTTGCAATTTTTGAAGATTGTAAGTTCATAACAAACT
TGTTTATGGTGCCTTAAATATTGTTGTGAAGTCAATTACCCCTTGGGTTT
TGTAGACTCAACCCATATAGATTTTTGCACCAAGCCTTTTAAAGTGGCCA
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>Sequence 4408

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>Sequence 4409

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GGTTGGGTAGAAGTCCATTCCAATGAGTAAGATTCCAAGTAGTAAGTGCT
GATTGATGTCGTGGAAGGACACTTGTTTCATTTGTTCAGTCAAAGGTTGT
TGGCTCCACTTTTTCTTTTGGAGTAGTACCCCCATTTGTTGAGGTAAAAG
CCCTTTTTGAGGAATGAACCCCTTTATAGGTACACTGAAAAGCTTTATTC
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>Sequence 4410

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TCTGGAAAGTTGGTTGAAATTTTGAGTACCTCCAAGTGGCTTTTCACACA
TACCCCTTCGTTTCACCTAGCTTCCTTCCATGGATCTATCCAGGACATTT
CCAAGTAAACTGTTTTATTTTTCCAACTTGATTCATAATTAACCTTTTAT
TCATTCTTATGGGGGTAAAAAAAGTTCATTCTCCCAAGATACTTTGAATTC
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>Sequence 4411

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Table 4

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>Sequence 4413

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ATTTTTTCAATATTTTCACCAGGACTTCCGCAATGAGGCTTCGTTTTTGA
AGGGACATTCTGATCCGTGCATTTTTTCACTCCTAACTTGGTTTCAACAA
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TGTAACTG

>Sequence 4414

>Sequence 4415

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>Sequence 4416

>Sequence 4418

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Table 4

>Sequence 4419

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>Sequence 4420

>Sequence 4421

>Sequence 4422

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GAAAGGTGCCCTCCGGGACAGCAGAGCCTTTCTTTGGGCTGTTTATAATT
GAGCCCTGAAGAAAAACAGAAATCATTCTAAACCCAGGCCAAGTGCCTCC
TTGGCCTAGCTAGGCAAAGCTAAACTCACACAAGATGAAATCTAACCAGC
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CTTGGCCACCATCTCGAGCTCCAGCGACAGCTGAGGGTCAGGGCCTCTCT

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Table 4

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GAATCCTGAAAGAAATGGGTTGGAGAAGAAATTTATGACCGTAAGTCTAG
TTGTCTTTGAGTGGTGCAATTTAGCCAGGAATTTTTCCCTTTTTGCGGCTC
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AGTTTACATAAAAGGTTTTCTAGCTTTAGCCCACCTGACTACTTCGGCCT
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>Sequence 4423

>Sequence 4424

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>Sequence 4425

>Sequence 4426

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GACTAAATAGGAATAATACATTTCCTTGTGAATGTCCTGATTATACTATG
AGCTCCTTGAGGACAGGTACGCGGGGGCGGCCATGGCGGGACAGGAGA
TCCGGTGCACCGGCAGATTCACCAGGACTGGGCTAACCGGGAGT
>Sequence 4427

>Sequence 4428

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١

Table 4

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TGTGTCCAGAGTTGGTTCCTTCCAGAGGGTTCGTGGTCTCGCTGGCTTCA
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TGTGTCTGGAGTTTGTTCCTTCAGATGTGTCTGGAGTTTCCCTTCTGG
TGGGTTTGGGGTGTCGCTGACTTCAAGAATGAAGCCGCAGACTGTCGTGG
TGATCGTTGTAGCTCTTAAAGGTGGCGTGGACCCAAAGAGTGAGCATCAG
CATGATTTTTCGTCAAGAGGGTAAGAACAAAGTTTCCACGGTGTGGAAGG
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AAAGGGCTAATT

>Sequence 4429

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Sequence 4430

GGTACACGGAGAGGGAACCGCTCATATACCCTTCCACACCGTGGAAACTT
TGTTCTTACCCTCTTGACGAAAAATCTTGCTGCTGCTCACTCTTTGGGTC
CACACCACCTTTAATAGCTTCAACGATCACCACGACAGTCTGCGGCTTCA
TTCTTGAAGTCAGCGACACCACAAACCCACCAGAAGGGAGAAACTCCAGA
CACATCTGAAGGAACAAACTCCAGACACACATCTTTAACAGCTGTAACA
CACACTGTGAAGGTCCACGGCTTCATTCTTGAAGCCAGCGAGACCACGAA
CCCTTTTGGAAAGAACCAACTTTTGGACACAACAGGGCGTGAGACTTCTACC
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CAAT

>Sequence 4431

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TTGACCTTTGGGTGCTGACTTGGAGAAAAGCACAAACACGACCAGTCCCA
TCCTGGCTCCCGTGGGGCTTCTTCTATCTACGCATTGGATCTACTGCATT
AGTTGGACTAAGATGATGACTCAGTTAAAGGAGGAGACAAATGCTGACTG
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TTTTAAAATTAGACACTTTCTCAGGAAATATGCTTGGCAATAATAGGGGA
AAGTTAATGCATTACCGCCGTGACAATCATTTTTTAGGGGGGTATCCCT
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TTAAC

>Sequence 4433

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Table 4

>Sequence 4435

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>Sequence 4436

> Page 901 of 990 of Table 4

Table 4

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>Sequence 4438

>Sequence 4439

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GCTTTGGCCCCATAGGGGGCTATTGGCTTTTTTACCTTGGCTCAGAACAC
CCTTAGGGGGTATTCCATAAATTCCGGGGGTTAAGCATTAAAAGAATTTT
AGTTCGAACCCAACCTTGGGGGGCCAAGGTCCTTAATTGGCNCCCTTTTT
ATAATATTTCTTAAGTTTATCCCCCTTTAAAAAGAAAAC

>Sequence 4440

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>Sequence 4441

>Sequence 4442

>Sequence 4443

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Table 4

>Sequence 4444

>Sequence 4445

>Sequence 4446

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Table 4

>Sequence 4447

>Sequence 4448

>Sequence 4449

>Sequence 4450

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Table 4

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>Sequence 4452

>Sequence 4453

>Sequence 4454

>Sequence 4455

>Sequence 4456

GGTACGCGGGGAACTCAGGTGCCCTGACCAGCGGCGTGCACACCTTCCC GGCTGTCCTACAGTCCTCAGGACTCTACTCCCTCAGCAGCGTGGTGACCG TGCCCTCCAGCAGCTTGGGCACCCAGACCTACATCTGCAACGTGAATCAC

> Page 905 of 990 of Table 4

Table 4

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>Sequence 4457

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>Sequence 4458

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ACCTAACGTTCTAGCATGCCTCTTGAGGGCCTTTCCAACTGAGCTCTCTG
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>Sequence 4459

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CACATCTGAAGGAACAAACTCCAGACACACATCTTTAACAGCTGTAACA
CACACTGTGAAGGTCCACGGCTTCATTCTTGAAGCCAGCAGACCACGAA
CCCTCTGGAAGGAACCAACTCTGGACACAGCAGGACGTGAGACTTCTACC
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>Sequence 4460

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Table 4

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TGTTTATAAGCCTCTATGGTAGTTACTGCATTATTCTTGTGGAGCCATCA
CAGGTCCTCTCCCCTTCCTTGTAATGATGTTTTAAAGTTCTCTGAAAAC
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TGCCCATTTTTTAGTGCCGGGTCAAACAAATGCCTTGAGGACCTGGGGCT
TGGACATGTGTTTCATAAGGATGGCCTATCACCCAACCAGGGGCTGTT
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CCTTCCAGGGGGGGATGAGGTTTAACCAGGTTCGCAACCTTCCATAATTC
CTTTTGGGG

>Sequence 4461

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GAAGCAGTTGACCAAATCCAACGCACCCAGAGTCAAAGCCAAGATCATTG
CTGAAGGTGCCAATGGGCCAACAACTCCAGAAGCTGACAAGATCTTCCTG
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TGACAGTATCTTACTTTGAGTGGCTGAAGAATCTAAATCATGTCAGCTAT
GGCCGTTTGACCTTCAAATATGAAAGGGATTCTAACTACCACTTGCTCAT
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TTCCCATTGTACCTTGGCCGCGACCACGCTTAGGG

>Sequence 4462

>Sequence 4463

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>Sequence 4464

>Sequence 4465

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Table 4

>Sequence 4466

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>Sequence 4467

>Sequence 4468

>Sequence 4469

>Sequence 4470

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Table 4

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>Sequence 4471

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>Sequence 4473

GGGGTTTTTAATTGGGGGG

>Sequence 4474

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>Sequence 4475

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>Sequence 4477

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Table 4

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>Sequence 4478

>Sequence 4479

>Sequence 4480

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TCAAAGGAGGGCGGGAACAGAGTGACAGTGGGGTTGGCCTTGGGCTGACC
TAACACGGTGACCTTGGTCCCACTTACGAAGCCATAACCACTCAGGCTGC
TGCATAGGACTGGCAGTAATAATCAGCCTTATCCTTAGCCTGGAGCCCC
ATTGATGGCCAGGAGGCTGAGGTTCCAGACTTGAGCCAAAGAATCGGT
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>Sequence 4481

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GCGGCCGAGGAACGCGGGGAAGGACTTGCACCGGGACTTCCCAGACGTGA
TCTCAGGAGCGTATATAATTGAAGTAATTCCTGATACCCCAGCAGAAGCT
GGTGGTCTCAAGGAAAACGACGTCATAATCAGCATCAATGGACAGTCCGT
GGTCTCCGCCAATGATGTCAGCGACGTCATTAAAAGGGAAAGCACCCTGA
ACATGGTGGTCCGCAGGGGTAATGAAGATATCATGATCACAGTGATTCCC
GAAGAAATGGACCCATAGGCAGAGGCATGAGCTGGACTTCATGTTTCCCT

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Table 4

CAAAGACTCTCCCGGGGATGACGGATGAGGACTCTGGGCTGCTGGAATAG
GACACTCAAGACTTTTGACTGCCATTTTGGTTGGTCAGTGGAGACTCCCT
GGCCAACAGAATCCTTCTTGATAGTTTGCAGGCCAAAACCAAATGTAATG
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GTCTCCCAATTTAACGGGGTCATTATCTTAAGCCAAATAAAGCATTCGAT
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>Sequence 4483

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TGTAAAATTGTGGGATTTGTCGAAATGTGTAGATTCCCAAGAAGAGTAAA
TTCTTAAAAACGTCGTATGGGCGAATAGGGGCTACTCGAACGTGGT
>Sequence 4484

CATCGTTCGTATTTAGTTCTTTTTTACTATCTAACTTGGTTATAATTATA ACTATCAATATAAATTGAATTATTATATATTTAGTATAAAACAAAGTGAC CCCNCAGGAAGGGGGTGGACACCGTCGTACAACCCCAATTCTACGACTAA TGGGAGCTCCACCGAGGCGGCGGCCGAGGTACTGGATCAGTTTCTCCTGC GTGAGGTATGGGTGACACTCAACCTGGTTAGTCACTGGTTTATATTTCAG TCCAGGTTTGTTCAAGAGCCTCTCGATCTGGAAGTGGTTGAAATTTGAGA CCCCAAGGGCTTTCACCAGCCCCTCGTCCACCAGCTCCTCCATGGCCTCC CAGGCATCCAAGAACGTTCCTTTTCCACTGATCATATTACCTTTATCATC TTTGGGGAAAAAGTCATCCCCAGTCTTGAATCCCTGTGGCCAGTGAATAA GATAGACGTCCAGATAGCTCAACTTCAGGTCCTTGAAGGTCTTGTCAAAA GGCTTTCCTCACAAGGGGTCTCTTAAGGAAAGTGGGCCACACCTTGCTGA CGATGAACAGGTCCTCCCGCATAACAACCTTCTCTTGGATCTTCTCTTGG ATGGCTTTTCCCAACTAAGGTTGATTCTCATAGAAATAGGCACAGGCAAT GTGGCGAAATTCTGCATTAAAGGGCCACCTTTACCGCTTTTTTCACTTTG CCCAGAAGACCTTCAGTGGCCCAGCCCCCAATGGGGATTTTTGGCTTT TGTCCCCTGCCGGGC

>Sequence 4485

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> Page 911 of 990 of Table 4

Table 4

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CCGGCCCGGTCCTTTTGTATGACACTAGACTTCTGCTGTAGTGCTTCACC ACCAAAACACTTTACTGAAAATTTTCATTTCAACCAGAAGCAAACGTGTT CTAAGAAGCAAAGTAGAGTTAGGAACAACTCCGTGTTTCCCTCAGGAAT AAACGTGATCTTTCACACTTGGGGGTTGATAGTCAGCATGGAGTAACTTA GACCAACTTAAGAAGGAGGCATCTGGGGCTGTTCACCTAAGGAGATGCTT CCCAGAGGCCCAGCATCTTGGGAGAACACCCCAAGTTCTCTGGAGAGGTC AGGAGTTTGGGATGCAGGATCACACTGAAGGTCAGCCCAGCAAAGCAGCT GATCTAGGATATGGGCTTCTGACTTCCAGATTCTACCATCATCACAGAGG CTCAAAGCTGGGGCCCACACCAAAAGGGCGTGATGATTCCCAGCCTTCAG CACAACGGAATTGACCTGGAAAGAAGCCTTTATCCTCTGACCGAAAAAC CTGGTTCCAAAGGAAAATGATACTTTTACCTTATTCCCTTTCTAAGGGAA CTGCATTTTCATGAATGAAGAAAAGAAGAAGTTGAATTCTCTGACTAGG AAGGTTTTTATTAGAAGGTTTCCAAATGACTTAACTTTTTAAAGCTGTGC ACCAAAAAAAAAAAAAAAGTCCCTGGGCGGTCTAAACTAGGGACCC >Sequence 4490

>Sequence 4491

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TAGCGCCATCTCTGCAGAAGAACTCCTGAGCCACACACAGAAGGAAAGTT
GATCCCCAGGGCAGCCTTTCCCACCAAAAAAATCAGGCCCAATCCAGGAG
AGTTTGCCAGTAGCTCCCCAGGGTTCCAGGGTGTCTGCCAGCCTTCCTAG
GAATCGTGGGCAGGCTTCTAGGTGCCAGTGACTCAAACTCCTTTTTCCAC
TTCCCAGTTCAACCTGGTCACTCCTCATCCCCACAAGTTCCCAATCTGAAT
CCCATTCTCTGACCATTCTCTGCTTCCTTGTTTTTAATCTCATTTGAGAG
TGATCCTCACGGGTTCCCCTGGCCCCTGCACTCATTTTCCCTACTGGGTA
TGCTAACGTTTGTCTTCTAATTCAAGAAATCCTTCCAACCCTGTTTTTCA
GCTCTGCCTCCAAACCCTTCCATTTCCCCATTTCACCTTCCAGTCTCCT

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Table 4

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTACGATCCTACA GAGATGGTCCAGCTGCCAGGACTACTTTGGCAGGCAGCGTGCTACAGGAC CTCTCTCAGCCCCAAGTCCCCCGGACTAAAGACCTAAAGGCTGATTGACT CATTCCTGATTGATTTAATGGAAAGTCTCCCACCCCATCATCATTTGCCA GAGTACCAGGCACCGATGAAAGGGGACGAGTAAAGAACTGCCACCTTCCT AATGTATAGTAGGCCTTATCACACTGTAAGTGGTCCAAGCCCATAGGGAT GCTCTTTTTGGTTCCTGGAATTTCCAGTTGGATGTGACAGAGATCTTTCA GTATAGGTCTAAGTCAAGAGTTGCCTCTGGGTTGAGGTGGGCTGGGAAAT TAACATCTTACCTGGGGTCCTTCAAAAAAACCTGTTGGGTTTTACTGGTT TAAACAGGCCCATCTTAAGTTTTGATGTTGAATTAAAACTTCTTTTACCC CCTTAGTTATAAAAAAGGCCCCAAGGAGCTTTTTGTGGATATTTGGAAAT GAAATAGTTTTCATTCCCCAGAAAAGAAAAATAAGGTTTATTACAAAAC TAAATTTTTTTGCAATAAAGTATTATTTCCTGTTTTGTTAAACAAAGTCC TTGGAATTTTTGGCCGGGCCTTTGTTTTTAACTTTT >Sequence 4493

CCGGGCAGGTACCAATTGTCAACTAAGGTAAGAACATTGGGTGTGTTCCC ACCCACAAACTCCTTCATCACCTTTGCTACATTGGTGCCGCTTTGGTCCA AGTTGCGGGCTTGGGCTCGTGCCCGCAATTTGTTTACTAGTTCTACCGCA CTGCAGGTAATCCCAGCCACAGCAGCTGCTGCTCCCAGACCCATGCCAGT GTCCAAGAGCACAAAACTGATTCCTTCTGTGAAGGGTGCCAGACCCAGGC CGAGGAGGTCAGGATGCCAGAGGTAGTGCCAACAGAGTTGGACACCACA TTGGCAATGGTGGTGCCTCTGTGGACCTGCTCAACCTCCTCTGCAAGGGC ACGGAGCTTCCTTATGTGATCCTCAAGCTCCCTTTTCAACCGAGGAAACT CTTTCAAAAACCACTGCCTGTGCTGCTGGTCTTTATCGTGGCGGTTTTTG TCCTTCATGACCATGTGACTTGCAAGCTTGTTCAGAGCTTTACGGAGCTC ATCTGCCTCATNCCTGGGCAGTTCAGCAGCAGGCACGAATCCATTTCAGG CTTTATCATCAGCAGCAGGTGTAACAAATTCTCTCTGGTCACTTGGGCC TGGAAATTCTTAAGGTAATTCTCAATTAAGATACTGGTCTCTGGGTTCAT GGTGCCAGCCGCTGGGGTACCGGAGGGCCTTTCTTTGGAGCTCTTCAGTC ACTGTCCAAAACTGGAGGGTTTTCTTAACCCTTGGTCAAATTGCTTTTTC CTTATTTTGAAACCAGGGCGGGGCCCTTTGGCCCAAGGACCTTCN >Sequence 4494

CGAGCGGCCCCGGGCAGGTACTCACCTTCCTCCAGTGAGTCACTTCAC
ATGTAACATGCATTTTGGAGTTTAAAAAATAAACATGATTTTAAACGTTT
TCTCCTTTGCTCATAATATACTATCTTAAAACATATTAGGTTGGTGCAAA
AGTAATTGTGGTTTTTGCCACTGCAATTACTTTTGCACCAGCCTAAATAG
CACTGGCATTATAATCGACCATACTATAAAACTGTCGTCCAAAGGCCAAC
ATGCAAAGCATCATCAAAGCAAACTCAGTGAAGGTGATGCATCCCCACAC

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Table 4

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>Sequence 4496

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>Sequence 4497

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>Sequence 4498

GCCAGAGTATGTAAAGCTCCTGGGACTCTGTGCACCCCTGGGCAGTTGCT
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GGATTCATGAGGGGATCTCCTGACCCAAGAGTTGCAAAGGTCCGTGGAAG
AAGTGCGGTTGCTAGGGGTCACATATTCATTCACTGTTTGCCTGGGCAGG
GAGAGGTTCCCTTGGCTCCATGTCCTTTCCTAGTGGGCTGTCGCCCTGCT
TTGCTTTTCTCCTTTCTGCATGGGTTGAGCTCTTTCCCTGATCAGTCTCA
ATGTGAGAACATGAATGTTTCAGTTGAAGTTGCTGTATTTACTTGCCCCT
TTCATTTCTCCCATGAGAGCCAAGAGTCCTCACTGCTTCTAGTCAGCCA
TCTTTTGGTCCAGCTTTTGTTTCCTTGATGAATCCCAATGCATGTACCT
>Sequence 4499

>Sequence 4500

NNCCCCCCNNNNTTCCCCNNATGTGTGTCTCTCTTTTTGCCGATAGAGCG ATTGTGTTTTAACGTCATATGCGCGCGCGGTCTGGTAACACAGCCCCCCC TCTTGTATAGACTTTTGGAGTCGACGCGTAAGACGTGTTTTGCGACCCCT TCCGTTTTTGGGAGGGGTTCAAACAAAAATGACTTGAGCCCCTCTTTAT AAACAACTTTTTAAAATCAAGGACAACCTAAACTCTAGTAGTAAAATACA CTTTAAAGTAGAGAATACTTTAAAAGATCTCATTCCTTCATATTCCCCTT CCACCTTATATAACTCAGTATGTCTCTCAATATGGCTACCTCCATGATCT TTTATAACTTTAAACTCAGATCACAGTTTTTCAAAAAGTTTTCACTTTCT CATAATTATTATTATCTTTTTTTTTTTTTGAGACAGAGCCTCACTCT GTTGCTCAGGCTGGAATGCAGTGGCACAAACTCAGTTCATGACAACGTAT GCCTCCTGGGTTCAAGCGATTCTTACGCTTTAACCAACTAAGTAGCTGGG ATTTAAGGCATGCCCCACTCCTGGCTGACTTTTTCTATTTTTACTAGAGA CCGAGTTTTGCCATGTTGGCCAAGCTTGTCTCGAACTCTTGGCCTTAAGC CCCCAATGCCTGGCCTTGCTTTATTTTTAAATGGAAAATATTCCGCTTTG TTTTATTTAAAACTTTTTCCAAAAACCGTGGCCCACCTGGTTTCCCTTTT TCCTGGCCGATTTTGGACATCCCTTTTTATTAAACCCATGCTTTTTTAAA CCCTTTCCCACCTTTTAAGGGTGGTTTTTTAATAACATTAG >Sequence 4501

AGGTACTTTCTTTTTTTTTTTTTAGAAGGAGTCTTGCTCTGGTGCCCTT CCTGGAGAGCAGTGACGTGATCTTGGCTCACTGCAACCTCCACCTCCTGG

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Table 4

>Sequence 4502

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ATTTGAAGCAAGTTCTCGGCCAGATGGTGATTGATGAGGAGCTTCTGGGA
GATGGACACAGCTATAGTCCTAGAGCTATTCATTCATGGCTGACCAGGGC
CATGTACCGGGAAGCCAATCAATAATGGTGGTGGTGGCAGCTGGGCAGGT
CTCCTCTGGGAGGTCTTGGCCGACTCAGGGACCTAAGCCACGTTAAGTCC
GAGGAGAAGAAGAGGGCCTAGCCTGAGCCAAAGAGAGAGTACCT
>Sequence 4503

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TGCTACTCGAACCTGCCCGTCACGGGCACACATGGCCAGAGTAGAATCAC
CACTGTTAGGAAGAAACTTGGCCTGGGGTGTTAAAAATGAAAAAAAGGAC
ACACAAAAGAAATGAGAGAGGTAAACTTGAGAATAAAAAATACGATGATG
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TACTCTTGTACCTGCCCGG

>Sequence 4504

AGGTACTTATGAAGCCCATCTAAGTAAGATCATTTCTTCTAATTCAATTT
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CACACGCAAACTCATTTACTCACTTTGCCATTATAATTCAATCACAAAGA
AATTTTGGCCAGGCGTGGTGGCTTACGCCTGTAATCCCAGCACTTTGGGA
GGCCGAGGCAGGTGGATCACGAGGTCAGGGGATCAAGATCATCCTGGCTA
ACATGTGAAACCCCGTCTCTATTAAAAATAAAAAATTAGCCTGGTGTGGT
GGCGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAAGCCACAAAATTG
GGCGTGAACTCAAGAAGCGGAGCTTGCAGTGAGCCGAGATCGCCCCACT
GAACTCCAGCCTGGATGACAGAACGAGACTTCCCGCTTCTNAGAGGGAGG
TCCCACCCCAATGGTTCCTGGCCCGGCCGGCGGTTTAAA
>Sequence 4505

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>Sequence 4506

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Table 4

>Sequence 4508

>Sequence 4509

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>Sequence 4510

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>Sequence 4511

> Page 916 of 990 of Table 4

Table 4

>Sequence 4512

>Sequence 4513

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>Sequence 4515

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ACGCTCTTCGCTGTCGTTTGCGGTCTCGCGCAGGCGGCCCCGGTTCTGG
TGTTTGGCGTCGGAATTAAACAACCACCATGTCGAGCAAAAAAGGCAAAGA
CCAAGACCACCAAGAAGCGCCCTCAGCGTGCAACATCCAATGTGTTTGCC
ATGTTTGACCAGTCACAGATTCAGGAGTTCAAAGAGGCCTTCAACATGAT
TGATCAGAACAGAGATGGCTTCATCGACAAGGAAGATTTGCATGATATGC
TTGCTTCTCTAGGGAAGAATCCCACTGATGCATACCTTGATGCCATGATG
AATGAGGCCCCAGGGCCCATCAATTTCACCATGTTCCTGACCATGTTTGG
TGAGAAGTTAAATGGCACAGATCCTGAAGATGTCATCAGAAACGCCTTTG

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Table 4

CTTGCTTTGATGAAGAAGCAACAGGCACCATTCAGGAAGATTACCTAAGA GAGCTGCTGACAACCATGGGGGATCGGTTTACAGATGAGGAAGTGGATGA GCTGTACCTGCCCG

>Sequence 4516

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>Sequence 4517

>Sequence 4518

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ATGAAGCCAAACTTTTCTCATGACATAATTAAAGAACTGCATGATGGAAA
TTCTTCCATATGAATCTGTATGAAGGAGTTTAGCAAAGACTTTTGCTGTG
AAAAATTGCTTGCACTTTGCTCCAGCCTTTTCACCAACCTTCAAAAAGTT

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Table 4

TTCGTAATTGATCATCGCTTCCTCCCAATCATAGGTGGTGTCTGGTGTT
TGTCCAGCAAAAACCATAAGTTCTGTAATTCTTCATTATCTAACAGTTCT
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TAGTAAGACTTCATCTTCAGCAGGCAGCCTATAATAAAACCGGGGAATGG
TCTTATAGAATTCATTTTGTGTTTTTTTCTACCTCCTTTCCATTCGGAGTAA
TATTTTGTAAATAAATCCATTTCTTCATCTTTTAATTCTTGTTCACTTTT
TTTTTTGTTTGGACAGGTGTTGGGCGTCGCTAGGCGCCGACGAAAAACTT
TTTTTCCAGTCCATGGCCGACTCCCGCGCAGCAACTTCTGCATTTGCTGTT
TCCTACCTGCTCCCCCCGCGTACCTGCCCGGGCGGNCGCTCG
>Sequence 4520

>Sequence 4521

GGAGGCTTTCCCCCCCCT

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TAGCTCTCAGGGTCTTCTCTGGCTCCTCAGTCCCACTAATGCAGAGAGAA
CCCTGGCTACTCGGAAACGGCTGTCCTGGGGCTAATCCACTGCTAATTCC
GTTAGTTCCTGTCAAGCACTGGCCATTCCTGCTTTCCATCCCACTGAGCG
GGGTCGTGGAGGGGAAGTCCAAATGTCCATTGATGACACACTCCATTTGTC
AATGTATTCGATACGGAGCTACTGTTTTTCATATCTGTTACAACAGCAAA
CTCCCTATCAACGTGCATTTTGTCAGCATCGTCTTCTGTGCGCCATTCG
TGAGTGGCACGGCAGAATCCAAGCTTTGAGCTTCAGTTCTTT
ACTCCAAAGTCTTCTGAGTCTTCCAAGCATCTTTTCGATTTGTTCCCAC
ACTAATATCCCGCGTTACCTGCCCGGGCGGCCGCTCGA
>Sequence 4522

>Sequence 4523

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Table 4

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TATGTCATACAAAAGTACCTGCCGGCCGGCGCTTTAAACTAGGGATCCCC
>Sequence 4524

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AGGTACCTTACAGGGGTTAGGTAGCTTTCTTCAGGTGAATTAGAGAGTTG CTGGCAGTGAGTTCAATGTTAATGATATCAACAGTGTATATTAAATAAGG CATTTTTAAACAGAAACATAAAATAAGTTTATGTATTGATGGTTGACCAA TATGTGACCAGAGGCTTGCAGGAACCTAACCCTCCCTGTATTTCCCGTAG GAGTAGTGGTTCAATATTCACTAATTCAGGTTCTCAGTGACTTTATAAAA CATAACTGCTGTGAATAACAAGACTCTACTGTGTGTTATTCTATATTTGA TGTCCACTGTCATAGGACAGGGTATATTGTAATCAAAATTGGAATTCCTA AATTITGCTCTTGTTGCCCAGGCTGGAGCACAATGGCCCAATGTTGGCTC ACTGCAACCTCCGTCTCCCGGGTTCAGGCAATTCTACTGCCTCAGCCTCA CGAGTAGCTGGGATTACAGGCATGTGCCACCACGCCCAGCTAATTTTGTA TTTTTTAGTGGAGACGGAGTTTCTTCATGTTGGTCAGGCTGGTCTCGAA CTCCCGAGCTTAGGTGATCCGCCCACCTCAACCTCCAAAATGCTTGAATT ACAGGCGTGAGCCACCTTGCCCGGCCACCTTTTTTATTTTTAAATCACCT AGG

>Sequence 4526

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>Sequence 4527

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Table 4

>Sequence 4528

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>Sequence 4529

>Sequence 4530

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>Sequence 4531

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GGTTTTTTTATATGGTTTTGAAAACTATGCAAGAAGCAGCTTAATACCCA
CCATCTTTTCAGGGAAAGATAACTGCTTGTTTACTCTTCAAAAACACCCA
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>Sequence 4532

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> Page 921 of 990 of Table 4

Table 4

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>Sequence 4535

>Sequence 4536

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ATAAAGGCCTTTCTTTCCAGGTCAATTCCTGTTGTGCTGAAGGCTGGGAA
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CCCCGAGTTGGTCCTAACTCTTACTTGGCCTCTTAAAACACCTTTTTT
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>Sequence 4537

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TGGTAAATAGCTTGCTTTCTTTAATTTAGCATCTTTACGTCTAACGTTAA
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Table 4

ACTITICTITAACGTGCAGTAGGCTTGTCCTAGGATTAAAGCCACTITTT GTAAAATGGGCAATTTTACAGTAGCCTAAATAAATCAAAACTTTAACAAT AGCTCCCAAGGTCATTGAGATATATTAATATTACAGGGGTCACTGTAAAA GCTGATGTCTATTCAAGAACCCTTTTCTCCAGTTCCTTAGAGGAGCTCTT CACTTCCAAATAGATTCCAAAAAGCCTACAAGCCTTCTAGCACTGGGACA ACCATTGGGTAACAACCCAGGAATGGCGT

>Sequence 4538

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>Sequence 4541

> Page 923 of 990 of Table 4

Table 4

>Sequence 4544

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GGACTACAGGTGTGAGCTACCATGCCTGGCTAATTTTTTGTATTTTTAGT
AGAGACAGGGTTTCTTCATGATGCCCAGGCTGGTCTTGAACTCCTGGGCC
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AGCCATCATGCC

>Sequence 4545

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>Sequence 4546

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GCCGGGTGAGGTTTCTTTTTTTGGTATGGAAAAGCACCCAAAAAATTACTG
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Table 4

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>Sequence 4548

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>Sequence 4549

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TGGACTGTGTTCCCCCACACCAAAATCCGTGTTTTGAAGCCCTAATCC CCCATGTGATGGTATTAGGAGGTGAGGCTTTGGGGAAGTAATTAGGTTTA GCGAGATTATGAGGATGGAGCCCTTGGTGGGATTAGTGCCCTTATTAAAA GAGGAAGGGATACCAGCACTCTCTCTGCAATGTGTGAGGGCACAGCAAGA AGGTGGCCATCTGCAAACCAGGAAGAGAGCTCTCACAAGGAACTGAACCA GCTGGCATCTTGATCTTGGATTTCCCAGCCTCCAAAACTGTGAGAAATAA ATTTCTGTTGTTTAAGCCACCTAGTCTACAATATTTTGGTATGGCAGCCC AAATAAACTGAGACAAAAGCCTCAAAAACTTCATTAGACGTGTTGTATCA GAAACCATCCCTTAGAAGAGAAAGTTTCTCATTCTTGCAGTAAAAAGCCC ATTAATAAATGGGAGGATAGAATTTGAAAATCATCAGTGAATGCCTAAAC TTATGGGTGAATGTTTGATAAGGAACCGAATTTTAACATAATTCCCCAAA ACCTCCTTACAATTTTTTTTTTTTAGAACAAATTTTACCCTTTCACCCCA GCTTGGAATGCATGGTGCGAACTTTGTTTATGAAACTTCAACTCCGGGCC TAAATTATTTTCCCGCCTTACCTCCAATTTGTGGGACTACCGGTGCACAC CCCAGGCCCATTTATTTTT

>Sequence 4551

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GCCTCCTGGGTATACAGAGAGAAGGCAGGAATCAGGAGTTCCAGAAGCAT
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Table 4

>Sequence 4552

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>Sequence 4553

>Sequence 4554

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>Sequence 4556

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Table 4

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>Sequence 4558

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>Sequence 4560

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Table 4

>Sequence 4561

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>Sequence 4563

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Table 4

>Sequence 4564

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>Sequence 4565

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GGACCTTGCTGGACTGAACAAAGGAGGACCAAGGCGGGAATAAAGACAAA
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>Sequence 4566

>Sequence 4567

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> Page 929 of 990 of Table 4

Table 4

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Table 4

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>Sequence 4572

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ATATACACGTGTATATATATATATATATATATACGTGTGCCATGTTGGTTT
GCTGCACCCATTAACTCGTCATTTACATTAGGTATTTCTCCTAATGCTAT
CCCTCCCCCAGCCCTCACCCCATGACAGGCCCTGGTGTGTGATGTTCCCC

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Table 4

>Sequence 4576

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>Sequence 4577

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>Sequence 4578

> Page 932 of 990 of Table 4

Table 4

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>Sequence 4580

GGCATGATGGCTCATGCCTGTAATCCCAGCACTTCGAGAGGCCCAAGCAG GTGGATTGCTTGGGCCCAGGAGTTCAAGACCAGCCTGGGCATCATGAAGA AACCCTGTCTCTACTAAAAATACAAAAAATTAGCCAGGCATGGTAGCTCA CACCTGTAGTCCCGGCTACTGGGGAGGCAGAGGCACGAGAATCACTTGAA CCAAGAAGGCATAGGGTGTGGTGAGCCAAGATCATGCCACTGCACTCCAG AAAAAAAAAAAAAAAGGTCCCTCGGCCCCGCTCTTAAAAACTAGGTGG AATCCCCCCGGGCTGGGAGGGAATTCGGATATTCAAAGGCTTAATTGAA TACCCGGGTGAACCCTCGAGAGGGGGGGGCCCCCGGGTCCCCCAACCTTT TTGGGTTCCCCTTTTAACGGGAGGGGGGTTAATTTTGCGCCGCCTTGGGG GGTAAATCAATGGGGCATAAGGGTTGGTTTTCCCTGTGGGTGAAAATT GGGTTTTCCCGGTTCAACAAATTTCCCACGACGAACATTTACGAAGCCCC AGGTGGAGGCCAAACCTCAACAATTAAATTTGGGGGTTTCCGCCTCACCT GGGCCCGTTTTTTCAAGTTCGGGGAAAAACCCTGTTCTGGTGCCAAGCT TTTGGGTATATTGGGGGCCGCTTTTTCGCTTTTCCTCGTGGAAAATGAAC TTTATCTTTAAGGGGG

>Sequence 4581

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Table 4

>Sequence 4582

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>Sequence 4583

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> Page 934 of 990 of Table 4

Table 4

>Sequence 4586

>Sequence 4587

>Sequence 4588

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Table 4

>Sequence 4589

>Sequence 4590

>Sequence 4591

AGGTACTGGCTGGGTCCCAGGTTTGTCTCACTGCTGTCGGCTTGATGGAG
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CCCTTTCTCTCTGCCTTCCAGCATGTTGCCTTCCTTTTTGGAAGGTGATCC
TTTCAAAGATGTGTCATCTCTTCTTCCCAGGAGCTCCCCATGCCTTCTTT
TCCCACTGCTCCCTTTCAACTCTCAGCGCCGCTGGGGGCAGGCCCCAGGT
GCTGGCTCTGCCTGCCAGGCCGCACTCCCGCGTACCTGCCCG
>Sequence 4592

TCCACGGCGGTGGCGGCAACGTACTGTGCTTCACAAACGTCGTCATGGC
TTGGTGCGGGAATGATTAATAGAGTGAGCGCGCTCAAGTGATACTTGATG
CTTGATCCAGAGTCGGTTGCTTACAGAGGGTACGGTGCTAGATGGCTTT
AAGAACGAAGCCGGGTACCTTCACAGTGTGTTACAGCTGTTTAAGAAG
TTCCGTCTGCAGTCTGTAACTACAGATATGTCTGGACTATGTACATATAC
AAGCTTACTCAACAAAGCCAACCGCCCCTAAATCCCCCGTACCTGCCCG
>Sequence 4593

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Table 4

TCACGCCTCTTTTTCTTCTTTTTCTTTTGTCTACCTTTTATTCATCCCTA

>Sequence 4594

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>Sequence 4595

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CGCCACATTGACTGTGCCTATTTCTATGAGAATCAACATGAGGTGGGAGA
AGCCATCCAAGAGAAGATCCAAGAGAAGGCTGTGATGCGGGAGGACCTGT
TCATCGTCAGCAAGGTGTGGCCCACTTTCTTTGAGAGACCCCTTGTGAGG
AAAGCCTTTGAGAAGACCCTCAAGGACCTGAAGCTGAGCTATCTTGGACGT
CTATCTTATTCACTGGCCACAGGGATTCAAGACTGGGGATGACTTTTTCC
CCAAAGATGATAAAAGGTAATATGATCAGTGGAAAAGGAACGTTCTTGGAT
GCCTGGGAGGCCATGGAGGAACTGGTGGACCAGGGGCTGGGTGAAAGCCC
TTGGGGTCTTAAATTTCAACCACTTCCAGATCGAAAGGCTCTTGAACAAA
CCTGGACTGAAAATATAAACCCATGACTAAACCAGGTTGAATGTCACCCA
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AAGAG

>Sequence 4596

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>Sequence 4597

CCGGGCAGGTACAAAAGCCAGGATGCCCATTGTGGGCCTGGGCACTTGGA GGTCTCTTTTCGGCAAAATGAAAGAAGCGGGGGAAGGTGGGCATTGATGC AGAATATACCCACATGGACTGGGCCCTTTTTTTTGGGAAATCAACCTGAG GGGGGAGAAGCCCTCCAGGAGAAGATCCCAGAGAAAGCTTTTGATGCGGG CCCTTGTGAGGAAAGCCTTTGAGAAGACCCTCAAAGGACCGGAAGCTGAG CTATTCTGGACGTCTATTTTATTCACTGGCCCACAGGGATTCAAGGACTG GGGAATGACTTTTTCCCCCAAAGATGATAAAGGGTAAATTTTGATCCAGG GGAAAAAGGAAACCTTTCTTGGATGGCCGGGGGGGCCCTTGGGGGACCTG GGGGGACCAGGGGCCTGTAAAAAGCCCTGGGGGGGCTAAAATTTAAACC CCCTTCCAAAATCGGGGGGGGCTTTTTAACAAAACGGGGCGGGAAAATAAA CCCGGGGTATCACCCGGGGGGGGGGGGGACCCTTTTCCTTGGGAGAAAA ACTGTTTCCGTTCCCCTGGGCCGTTTAAAAAAAGGGGGCCCCCCCGGGCG GCCCCGAACCCAAATTTGGGGCCCTTTTAGGGGGGGTAATATCCCCCCTG GGGAAAAAAGGGTCATAAGGGGTCTCTGGGGAAAAATTTTTTCCTCAATT AGCCCCCAAAAATAAAAGGGGTGTATTAATAAT >Sequence 4598

> Page 937 of 990 of Table 4

Table 4

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>Sequence 4600

>Sequence 4601

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Table 4

>Sequence 4602

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>Sequence 4603

>Sequence 4604

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Table 4

CATTGCATGTACCACACTAAAAGGATGGACTAAATGACAAAATTATGGCT CATATTGCTTGAGCGCACATGTAAATTAAGCATGTATATGACAGATAAA TAGTGTACACATGTGTCAAACCTTATAAATAAGTGAAGCCATGATACTGT AATTCGCATTGATACAAATTGCTACTCTTACGTGTGCTTTTGAGTGTGAT ATCCACATATAATAGATGTTCACGAGAGTTCGAGCTAGACAGATGTGTGT CTTTACGAGAACAATGATATATAACGTTGGATGATATCTAATTAAGACTT GTGTACTATTCGGAGATATATATACA

>Sequence 4606

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CTGGTGGATCTTGAAATCCAGGGCCCTACAAAGGCTTGAACACTACAGGG
GATGAATCCTTCAAATAGGGGCCGATGGATCTGTGGTTCTTTGGGACTCA
TCAAAGCCTTGGTTTAGCATTTTGTCAGTTTTATCTTCAAAAATTTTCTG
CGATTAAGAAGATAATTTATTAAGGGTGGTCCTTCCTACCTTCTGTGGCG
TGTGTCCGCGCACACAGCTTATAAGCTGCTATAAAAAAAGGAAAGAGCTCCA
AATTGGATTCCCCTTTATTATTTACCCATTTCAAATACAACCGGCCGTGG
AAAGCGTTTCAGAAACTTTTTGCATGCCTATGGGTGGATCAGCTTACAT
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ATATACGAAAGTTACCTGTGCCGGACAGGTCAGATTTAAAGGGGCA
>Sequence 4607

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ACCTTAAGTATCAGCTCAGCCACAGTGGGGTAGAGCACCAAGCGAGCTCT TGGAGTCCCCAATTCAAGGCCTTGGCTCTTGGATGGCATTTCTGGATTTG CACTTGACCACAGGCAAGTCCACTGCCCTGAAGGATGTGTCCTAGGCCTG GCAGAACTTACTATAAACTGTCTGAGGAGCCCTTGGGCCTTAAGTGAACA TCGGCAGTAGCCTGGCAATACTCTCTGTGGGCCTGTGGTAGTAATGGGTG ATAGGGAAGAGGATCCTTTTCCCTGGGAAAAGGGGGAGGGGAAGAATGGAA ATGGCCCTGTCTTATGGTTTGAGTGACAGCTTCAATCCCCAGTGAAATAG AGCCCCAGGTAGATCTTCTAAGGTTTTTTGACTTCAGTCCCTAGCTTCCAC CTAAGGGCCTGGGGTAATTTTGCAACCCTTAAGGGAAAGGACACAAACCT TGGCTGGGTTTTGGACCTGGTGATTTTGAGAGCCTTAAGGGCCTTTAGCC AAAACATTGGACTTGGCTTAGCTAGGGGGTACACAGAGGGACCTGGGGAA AAAACCAAGTGTCTGGTTGGCTTTAAGGTTTTGACCCAAACAAGTCCTTA TGATTAATGGGCCACAAGGTGGTTGGTGCACCTCTACCCCAGTTTGGGGG CCGTTATATGGAATCCTACTTGGACTCAACTGGGGAAAAAAGGGAAAGAT GTTCCTCGGGAAATTTATTG

>Sequence 4609

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Table 4

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>Sequence 4610

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>Sequence 4611

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TTTATTTTGTGTATTTAATAGAAATGGGGTTTCACCATGTTGGTCATGGC
TGATCTTAAACTCCTAGGAAAGTCAAATTTAAAAAAAATAGCAATGACAAT
GCTTAAGTTTTAAAAAAAAGTTTATCAGCTTAGTCTCCAAAACCCGGAAGA
AAATATTTAATGATTAAAAACAAGTATGACCTGGAAAGATATTAGACTAA
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>Sequence 4612

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TTTGCAACTGAAAGTAATTGCGGTTTTTTGGCTTAGCGCGGCGGCTCACGC
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Table 4

GAGATTGAGACCAACCTGGCTAACACGGTGAAAACCCCGTTCTTCTAAAA TCAAAAAAATGCCGGGTGTGTGGCAGGCGCCCGGTATCCAACTACTTGGG AGCCGAAGGAAAAGGCTTAGTAACCCAGGAGCGGACTTGCATGACCCTAA AGGGTCCTT

>Sequence 4613

>Sequence 4614

>Sequence 4615

>Sequence 4616

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Table 4

>Sequence 4617

>Sequence 4620

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Table 4

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>Sequence 4621

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ACCCATATAAATCCCAAACCCCCAGCTCCAAAAGGAGATGAATAGAAGAG CAGAAGAATGCAGAGTGGCAAGGCAAAGAATGGGAGAAGAGAAGGAGCAT CTGAAAGTTGAGAGGAGTTGGGCTGGGGACGGTCCGAGAGGAGATTGGCC GCTGGATGGCCAAATTCCAGGAGAAAAATAATCTCACTCCATCCCCCTTC CAGCTGCCCATCCACCCTGCTGAGAGCCACTTCCATCACTCAATAAAACC CCCACATTCATCCTTTAAGTCTGTGCGACTTGACTTCCTGGATACCAGAA AATTACCTGGGTCCCAAGAGGGCACCGAGCTGGTTACACTCTTCAGCTGT CTTCAGGAGTCACAGGCACCCACCCTTAGATCCTACCTTGGGGCTGGAGC CCCAAGGCACTCGCCTGGGTTGCTGCACCTGCCTGTCAACATGCTCCCTG TCCTGCAAAGGGCCTGAGAATGTGTGGGGGCCAAACCGATTAACAACACC ACTTCTCCTTTTGGGGGAAAAAAAAAGGGGGTGGAAAACGGTACAAACTT TTTAAAAAA

>Sequence 4623

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>Sequence 4624

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Table 4

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TGCTGAATTTTACTGGCACAATTCCTGTGATGTATCAGGGTTATACATAT
CACATACCAATTCGTTTCTGGATTTTGGATTCTCACCCTTTCGCTCCCCC
TATCTGCTTCTTGAAACCAACTGCAAATATGGGAATCTTAGTCGGAAAAC
ATGTGGATGCTCAAGGCAGAATATTTTGCCCTATCTCCAAGACTGGAGC
CATCCTAAATCTGTCATTGTTGGGATAATTAAAGAAATGATTGCCCAGGT
TCAAGAGGAACTTCCCAGGGATCCTCTATCATCATCTGATGAAGCACCGG
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>Sequence 4625

>Sequence 4626

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>Sequence 4627

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CACAGAGTTGGCTGGAGTTAGTCCTGGTTGCCAAGGGTAAATGGGGCTGT
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CTACCAGGTGTAGCATGAAGGTTAAGGACAATTCCGTCCTCTTATTTTGGA
GAGGACCAAGGCCCTGTAGGACTAAAGGTTTGGGTGAGCTGAAAGCCA
AGGGCAATTGGCCCAGCTTGGGGAGGAGAGTTACAAATACATTTGTGACT
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>Sequence 4628

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Table 4

ATTC

>Sequence 4629

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>Sequence 4630

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CTTTTCTGCACAGACTTATTCAAAAATTCTGCTTGCTTCTATCTTGAG
AGATGAACCTTTAGGAGTGAAACACTTGAATGGTTTCTTGGCATCTTTGC
CTTTCAATCTTTGCCATTTTTTGCGGTTTCTTAACAAGCTTTGATCTTTGC
CTTTCAATCTTTGCCTTTAAGCCTACTTTTATTTTCCTCCTCTCTAAATT
TTCGGGCCGGCTTCCTACTGGTTTCTTCCATGCTACTAATTTTTTAGGAC
CTTTCGTCTAATATCCCCTTTATTTTTGGAGTTCTTCAACCTCCAAAAGA
CAGTTACTGACAGGTTTTTTATGAAGTTTCCCAAACTTTTTGCCCCTGGT
TTGG

>Sequence 4631

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>Sequence 4632

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>Sequence 4634

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CAGACGCTTGAATTACGGAAAGACAAAGGAGATGGAAAAACACAAATACGG
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GGTCTAAGACCCAAGAGGCCAGGGCTGGCTACGTGAACCCTATGAGGATG

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Table 4

>Sequence 4635

>Sequence 4636

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>Sequence 4637

>Sequence 4638

> Page 947 of 990 of Table 4

Table 4

>Sequence 4640

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>Sequence 4641

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CCAGGATATTTTCTCAATGCCTCCACGCATTTGACCATCCAGAAAACATC
CCAACTCAGTGTGCCTTCGGCCACCATAAATCAGCCAACCACACATGCTG
CCCTCAATGCTTCTGAATATCAAGGGAAAGGATCTGCCTCATCCTGCCT
GCTCCTGAGGCTTGCGCATTGACGTTGGAGTTATGTCATTATTTTTTTAA
GTGATAGAAATCTACCCAATGAATTGGTAGCAATCACCACTGTGCAACGT
ATGCCAAAAAAACTCTGTCTATTCTTACCGAAGGAGGAGAAACCTTACC
AAATTAGTCGGACTTTCCTGGAACATTTTTGTGATGGGCCCATTTTTGGT
AAGGCTAAAATCAGGTGCTGGGGATTAAAAAATTTTGACATGGTGAAAAT
>Sequence 4642

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GAGGTAATGCAAACTAGATCCCAAACTGGGGAAACCAGTCTGAAGATTTC
TGGAAAAAAAAAGGATGGAAGGCAGAGCTATGCTTTGACCCAGCAATCCT
ACCCCATGCATCTACCCCAGGGAAAAACACATGCGTCTATCAAAAAGACA
CATGACACTCACACGTGCACGGGAGTGTTACTGACAGGAATAAAGATGTG
GAACTGATCTAAAAAGCCACGAACAGAAAACTGGATTTTTAAAAAAGGGG
GTCCCATACATTACAAAATGCTAAAAAAGCCACTTAGGGAAAATAAACAC
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TCTGCTAAGCAACCTGGAGCAGGAACAGAAGACCAAACACTGCGGGTGCT
TA

>Sequence 4643

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AAGCTACTAGAGGTCCTCCATAGATGCATGTGCTAGTCCTAAGGAGAAGG
AAGAGGAGAAGGATTGCCACGGAGGAACACCTGAAGTTTCAGTTGAGCAC
TTTGTTTGGAAAGTTGTCCAAGGCTGGAGTTGTGAGAGCTGGGN
>Sequence 4645

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Table 4

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ACTCNNTTTTTTTTTTTTTTTTTTTTGGGAATTATGAGAATATAGCTAT TTAGTCCATAACACTTCTTAGAGGTCGGGGGACTTAAAATGAGCTTTGAC AAATGGAAGACATTTTCTACACACAGAAATTTGAAATCCACATTCCATAG CAAATTAGTAGAAAAGAAGTAAACAAGACCTCTGTATTTCACCCAATTGT TTTAGGCCATGATACTAAAAAAACAGACACTAAAATTCTTGTGAGTGGAT ATTCCCTCCTCGTGAAACTTAGCTTGCTTCACTATGCGCATAAAAAG AGAACTCAACAGAACATTATCTCAGGAAAGGAGAATCTAATGAAGACACT GGAAAGCCAATAAAACTTCATGTTTCTTGTTTTTGTTAGACAGCAAACCG CAAATGACCTTGTCCTATGCAATGTCAAGCACTGGGGGTTTAAGCTGCCT TTTTCTGGTTTTAAAAACTTGCTTAACCTTTTCTCTTGGAACATTTTTTC CACCCCGTGGAAATGGGCTTTTATGTTGACATTTTAAAAAGGCCCTCTCC AAAAGCTTATTTTTGAAAAAGCCATCCCTAAGGTTAATTATGGGGATTCC ATTTCAATGGCCCCAATTAAGGACAGGGAATAAATGGGCCTTATTTTAAA AAAAAAGTTCTGCCCCAATGTGGCTAAAAAAACATTCTAAAATAGCGGAA GTTTAAACCCCTTCGGTTTTTTTCCGAAAACCTATGTTATTTTCCCTGTT TTAAAACCAAGACTTCGGGCCCGGTATAATGTAACAACCCGGGGAAAAAG GGCCCTTAGTCCTTTTAAAAAGGGGAAACTTTTCAAAGAACGATTTTTTG TTAAAAGCAGGTTTAATAAGATATTTCCCCGGCTTTATTTCAAGGAAATT AGAGGAAAAATTCTTTTTACGGCCTATAAAAACCCCCGGGTTTTTTCTT TGAGCCCTTG

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> Page 949 of 990 of Table 4

Table 4

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>Sequence 4649

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>Sequence 4651

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Table 4

>Sequence 4652

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ACGTTATTTATTCCTTATTTCAAAAAAAAAAATACTTTTGTGAACAGGTGA GAAAAGGAAAAAAAAGAGAAGGAAGGGAATATCCTAAGGAATAGAGGCCA CAATTAGAAGAATGATAGAAAGAATATGCAGGTTACTAGTCAAACAATTA GAGAATATTTACCAGGAATAAATGGTGTGTGAATCAACTTCTTAGAATTC TAGACTAGTGATATTAAATTAAAGAAAACTCTAAGTAAACCCACATATCC TTTGTTGTGCTGGGCAATAATGATACGTGTGTTTAAATTAAACCACCTTA AAAAATTAAAGGTAACCGGGCCGGGCACGGTGGGCTAACGCTTTGTAATC CCAACACTTTGGGGAGGCCGAAGTCCGGCGGATCACGAAGTCAAGGAGAT CAAAACCATTCCTGGCTAACACAGTGAAAACCCCCCTTTTTTCTTAAAAA TTCCAAAAATTTACCCGGGCGTGGGTGGCAAGGCGCCTATAATTCCAAG CTTCTTTGGAAGGTTTAGGCAGGAAAAATGGCTTTAACCCCCAGAGGGGG GACCTTGCCATGGGGCTAAAAATTGACCCTTGGCCTTCTACCCTGGGGTG CAAAATGGGAACTCACTTCTTCATTTATTTAATTAATTGTTTAAATTTAG GGGGCCCCCAACACTTTAAAATTTCTTTGGCCGGGACCCGCTTAGGGGGA ATTCCAACCACTGGGGCCGTTTATATGGGTCCCGATTTGTGCCCAACTG GGGGAAAAAAGGGATAACTGGTTCCTTGGGGAAATGTTTTCCTTCAAATT CCCACAAAAAAACCCGAGAATAAATGGAAAACCGGGGCGCCATAGGAGG CAACACACATAATGGGTGGCCCCAGGCCCTTTACGGGGAAAAATTGTGCC CCTTTAATAAAACCCACCCGGGGAGGGGGGTGTAATAGGGCCGTTTCTTT

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Table 4

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>Sequence 4654

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TCACCGGCTCTTACTGCCTCAATTTCCACTGAAAACCACAGCTTGT
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>Sequence 4656

>Sequence 4657

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>Sequence 4658

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Table 4

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>Sequence 4660

>Sequence 4661

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Table 4

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>Sequence 4662

>Sequence 4663

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>Sequence 4664

>Sequence 4665

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GACATCTTTTTATAGACGTATCTGTGATTGCACGCTTGTTTTAGGCTTGA
TAATTTTTTCAACAAGGAAAAACTTTTTTTTTAATTTGAAAAAAGCTTGTT
ACAGTAAAATGGGAAAAGTTTGAGAAAGACCAGAAAGCCCATCCTGGTTAT

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Table 4

TTTAAAACTTAAAATGGGGCCACATTTCCCTTTAAGGTTATGACCACCAG CCGCAGGTGGAACCACAATTAAAGGGGGGGGTTAGGGGAAAGGAAAGGTT TTTTGAAATCCTGGCCCGCCCCAATAATTTTTTCACAAAACTTGAAAATTT TTTTTTTGGGAAAAGGTACCAAAACAATTTAGAAAAGGGGAAA AAGAAAAATAAATTGGAATTTGAAAAAATTTTTTTAAACCACTCTGGTTT TCCCAAAGTTAAAAGAATTGATTTTTAAGGGCGGCCCCAAGGGGTTAAA TTTTTTTATTCCCCCCTTTTTTGGGGGGGGGTTTAGGGGGGCAAATTTCCA GGGAGGCCCCGAGTTTTGAACCCCATTTTGCCAAATTCTCGTAAAACCTT

>Sequence 4666

>Sequence 4667

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GAGGGGTAGGCAATGACAAACAGGCCCAGCACATCAAAGAAGACCATGTT
TCCATGTCGATACTTAGAAGCAGCAGCAGCAGCATATCAGATGTAGCTAGAT
GCTTAAGAACTGCTAAAATGTTGTCACCTGCTCTCTGAATGGAATCTGTT
AGAATTCTGTCCGCTGTGTCATACTTGGTGTATAAATGTATCCATTCTC
AATAAAAGCTAAGTCTATTCCTGGAATGTTCCCAAAATCCCTGTAGATAC
GAAAGTCAGTATTCTGAAGGAATGATTCCACTCTGAAAAACCTTCTGAGC
CACCACAGAAACAAAAGGGTGTTTAGCTGGTGAAACATAAGCTTGAACCA
ACCAAAGATTTTTAGGACCTAAAATGAAAGATGACCACCACTTGAAGGG
ATTCCGGCATTTTTTTAACCTACTAATGGTTTTCAACACATAGAAAACA
GTTAAAGTGGTGGGTTTGGGAGAAGGGTCCAATTTGTCCTTTGGCCGGGA
CCACGCTTAGGGCAAATTCAACACACTTGGCGGCCGGTACTAGTGGATTC
CAAGCTTGGGTCCCAAATTTGGGGTAAAAATGGGCAAAACTGGTTTCCTG
GGGGAAAATGTTATTCCGTC

>Sequence 4668

>Sequence 4669

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Table 4

>Sequence 4670

ACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTGCCATTTCAT TTGAGCAGGGCGTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGT GCATTTTTTCCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTG AAGGACAGGGACTTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATT CAAACTTCTCAGCAAGGTGTTATGGTCC

>Sequence 4671

>Sequence 4672

ACGCTAGGCCGCGCCTTCTTTTCTCCCAGAAAGGTGACCCTCCCCACCC TGCGTCCTGCTCCTTCCGTCCATACTGATGTTTGTTTTGCTGGAGGCCAG TAGCAACTGGACAGTAGCTCTAGGGGAGGAGAATCCACCTGCGGCGAAGG GTGGGATTTGTTTTCTTTGAGCCTTCTCCAGTGTGGGGCAGCTGGCGCAT CTCCACTTAGCGCCGGGGGTCCGGGATCCTACATCGCAGGGACTGGGGAT CTCCTGGGTTCTGTACC

>Sequence 4673

GGTACGCGGGATTTTTGTTTTTTTTATTTGCCAATATTTGATATTAGGTCA
AGGCCTAGTTGAAATTCCCTGACATCTTTCTTGTATAAACAATACCCACA
ATGCTAATCTTTATGATTTTCAATCTCTGTCTCTCTAAATTGGCATGGTA
ATTTAAAGATATTGGGAACCAATCTAAATGCAGAATCCTCCTAGATTTTT
ACTAAATTTCCCCAAAACTTCTTAGTTATCTAACCTACATCAGCTTTAGT
ATTTTTTAATGACTCATTTTGATGAAGGCCATTCAAACATTCTGCTTAAT
TTTGATAGAAACAATCACTTTCTGTTTACCTCGTATTTCATGGATTTATA
TGGAATAATCTGTTCACATACTATTTAATTCATACAGTTGGAGTAAAGAG
GCTTGGGGCCAAACCCAGT

>Sequence 4674

>Sequence 4675

>Sequence 4676

> Page 956 of 990 of Table 4

Table 4

>Sequence 4677

>Sequence 4678

>Sequence 4679

>Sequence 4680

>Sequence 4681

GGÁCTATGAATTTTAAAATTATTTGCTTAGACAGAATATGTGGACATACA AATGATGAATGTGATAATTGTCATACATATATATTTATCTTAGACACTTA GTCAAAACATGTGGTTTTTGGTTATGAGTTAGACACTGTCACTTTACCTG GAAGATACAAAGTAATTGGGTCATAGACTCTCAAATTATGGAACACTTAG ATTTTTCAGGGGAATGACATGGAGGGGGGCCAAGGAGTCTTATGATTAGGT

> Page 957 of 990 of Table 4

Table 4

AAAATATTGGTTGGGAGGTTGAATCTTATAACAGAGTGTTTTTCAAGGTG GAACGATAGTCCAAGTTGGGCAAATGTATGCATTAAAGGACTGGGAATAT TGGGAGGAAGTCATTTTAAAAACATCAGAGACCAATGTTGGTAAATATAT TTTGGAAAATTGAGGCTAAAGATAATGGTTATATGTCTTAAAGTACTTAC TGGTTTAGTGGTTATAGGGATAGAAATGAATAAGAAAAACAATCTATTGG CTAGTAAAAAGTATCCTTTTTTTGGGAAAAG

>Sequence 4682

>Sequence 4683

>Sequence 4684

>Sequence 4685

> Page 958 of 990 of Table 4

Table 4

>Sequence 4686

>Sequence 4687

>Sequence 4688

ACCAGGCTAAGTGGGTAGTAATATCGTGACTGGCTCCGCAGGAGAGGGTGGCTTTTTTCCCCTGTATATCTACAGGGTGGCTGGAGACTGCATCATCACCATTTCTCCAGTGGTGTCTGGGAGCCAGAGTAACATGAGGAAGAGAGCTGCGCTGGGGCTTTCATGGTTCCGACTGGGTCCTAACTGATCAGTTCCTCACCCCGCGTACCTTAGACACGACTAAGGGC

>Sequence 4689

>Sequence 4690

ACGCGGGGAGGCATTGAGGCAGCCAGCGCAGGGGCTTCTGCTGAGGGGGC ATGTTTATCTTGAGGAAACCGCAGATAAGTTTTTTTCTCTTTGGAAGATA GAGAATAATACAACTACTTAAAAAAATATAGTCAATAGGGTACTAAGATAT TGCTTAGCGTTAAGTTTTTAACGTAATTTTAATAGCTTAAGATTTTAAGA

> Page 959 of 990 of Table 4

Table 4

>Sequence 4691

>Sequence 4692

ACACTTATCTTTTTCTTCTAAAAGTATGCCCCCATCTTCTAATTTCCCT ATCTTCTGTATTCTTTCTTCGCCTTCCCGAACTTTGTATTTTGTA TTTCCCGTTTTTTCTTCTTTTCCTTCTCGAAGTTTTTAACCTTTTCTACG GTCAGACCGAGATACAACGCGCTTGGCCTTTTTTGTCCCAATCTTTTTGG AGGGGATGCTTCTTTCCCTCCTCTTGCCCGTGAAAAAATTCTTATTTTTT ATTGGCCGATGGGCCCGTCGTTATCTTTGGCCTACCCCACGGAACTGGTT TTATTTTCCCGGGGCTCTTCCCGGGTTTCCCAAAGAAACTTTTCAACCA GTGTGTGGAAGGATTTTTCACCCCCTTTTTTGGCCGGATTTATATTTCCA CGTGTTTGCCTCCCACTGGTGGAAAAGATTTTGTGTCTTTCCCACACTTC GCGGGAAGGGATGGGGGGTCTTCTCACAAAGGTCCCATATTTGGTTGTC TGTCCCAGTGTCTTTTGTTTCTTGAAGGGGCTTAATCTCTCGCACTCCAC TTTTCTCCCCCGTACCTTATTCGATGTCCTTCGCTCTTTGTCTCCCCCA CTTGAGTGGGACTTTTCTTTATTGTCTCCTATGTCTCCCGCCGTCGAAAA TGTTCTACCCCCTTTACAATATCATCTCCGCACTCTACTC >Sequence 4693

> Page 960 of 990 of Table 4

Table 4

>Sequence 4695

>Sequence 4696

>Sequence 4697

> Page 961 of 990 of Table 4

Table 4

>Sequence 4699

>Sequence 4700

>Sequence 4701

>Sequence 4702

ACACGGAGCAGCTAAACCACTTAAAAAGAGCAACAAGGCAAGACCTGGA AATTTTTTAAAAAATTGGCCGGGTGTGGTGGCGCATGTCTGTGGTCCCAG CTACTGGGGAGGCTGGGGTGGGAGGAACCCCTGAACCCGGGAATTGAAGG TTGCAGTGAGGCTGATCATGCCACCCGCACTCCAACCCCTGGCAACAG AAGTAAGGAACCCTGAAGCTAAAAAAAGGGAAAAAAGGCCAACTTCTGTA

> Page 962 of 990 of Table 4

Table 4

AATCAAGGTTCTACTTTATATAAACAGGCGATGCCAGCCTCTTTTTCAAT
AAAAGCTGGCCTGTTTGAGGCAAAAATAATGTTCGGGGGAATACAGCTTC
AATGGGTTTAAAAAAGGCTCTTGTCCAATGCAACAGAAACAAGGCCGGGT
GGGGGATATAAGGGAAAAAGGCCTGGTTAAATACTCCCACCGGTGAGCAC
CAGTTAAATTTCTCGGGCCTGTGGGGCATCAATTCGTGGCCCAGGAAG
AACCACATGGCTGGGCAACCCATCCTAACCTATTCCTTGGCCCAGGAAG
ACCCGGAAAATTGGTCCCCGGCCCCCAGTGGACCTATCAAAGGACCCCTG
GGCCCCATAAAGGCCCTCCCAACCCCTGGCGCCAGAAAGGCCATATACT
CCTATTGGGCCAAAAAGAACCCCTTTTCTTGCGCCTAGGAAATCTAATG
GAAAGTTCCCCACGCCCCGGGATAAGGCCAAAACCTCTGAACCTGTCACA
AGCAGAAAACCTCTCTGGTCTTTATTTTCAGCACCTTTTGACGTGGGAA
TTAATGACACACAAAAACTGTGGGGGACAACAATAATCGGCACATCATTT
TATGGGAAAAAACCTTCCCGAACCG

>Sequence 4703

GGTACCCAGTTGTTTGGACAATGGAAAAACACCAGTCTAGATATTACTGT GAAGGCATTTTTAATATGAGAGTAATATTTAAAGCAGTAGGCTTGGAGTA AAGCAGACTACTCTCTGTCATGTGGATGGGCCCATCTCATCAGTTGAAGG CCTCAACAGGCAAAAGACTGAGGTTCCCTAAGGAAAATGGAATTCTGCCT CCAGTCTGCCTTTGAACTCACGTCTTCCCTGGGTCTCAGCCTGCCAGCCC ACCCTGCAGATTTTAGACTTGCCAGTCTCCACCATCACATGAGCCAATTC TTT

>Sequence 4704

>Sequence 4705

ACTTAGCTACACGGTCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAA
GGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTT
GACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCA
CAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGT
GTGCAGCTGCCACGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGG
CAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGGGAAGGCC
TTAAGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGG
AACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGGGCATCCTAT
GAAAATCCCCCATGAGAAATTCCTTGAAATTTGCAAGTTGTCTGGGTTCA
TGTCTAAACTTGTTCCAGCTATCCCAAAAGGCCACAAGAATTCACTGGGA
TCTGAAGAGGAAAGAAAACTGATGGTGGTAACTGAACCCAT

> Page 963 of 990 of Table 4

Table 4

CCCTTACCTTGAGGAAGCTCAGAGTGTTGTGGTAAAACTCTCCCGGGGTGCGACATAGGATGCTTTTCAGAGCTCCCTGGACAATGGTACC

>Sequence 4708

ACTGTTGGTAAGCATTATGTCCCGAGGATGAAATCGGAGGACCAACAGGC CCAGGAGGCTTCACAGCGAACACCACATGCCTCGCGCCCAAAAGGACAAC AGACCGCGCTTCAGAACGGAACCGCCTTCTCCATGTGTAATGGATAGGTA ACAGAGAAGACCTCGTCCCTTCCTAGTCAGGGCATCAGCATGACTGAGTG CTTCCTGCCCCCACCAGCAGCCCCAGTGAACACCGCAGGGTGGAGCATG GCAGCGGGCTTACCCGGACCCCCAGCTCTGAAGAGATCAGCCCTACTAAG TTTCCTGGATTGTACC

>Sequence 4709

GGTACCCATTTCATCTTGCACCCGCAATACCAGGGATTGTTGCGAAGAAT
CAGTTGTGTTATATTGTCCAAATCATCAAAGATACCCTGAGGTAAATTAC
TTAGGTTATTATTGGACATATCCAGTCGATAGAGCTGCCTTAGATAAGAA
AAAGCATTTGGGGGCACCCGATTGATGTGGTTATCTTGAAGATAAAGCTT
CCTCAGGTTTGTGCCTGGAAGGTTTACTGGTGCAGCAGTCAGGGAATTCC
GCACCAGGGACAGCTCTGTCAAATTAACTAGGTTGAAGAAAACTTTGTCA
CCTAAACCATGATTGTTCAACAGGTTTCCATCTAAAACCAGGCGTTTTAG
ACTAGTGAGACCTTGAAGAGATGGTGATGAAATAGTGGATATTGCGAATTA
TCATCCAAGCGTAGTTCTTCTATAGTCCTGGGCAAACCCCAAGGAATTGT
GCTAAGGTGATTACCGGACAGGAAAAGCAGTCGGAGATAGTTGCTCTC
GGAATGCTCCCTCTTCTATGCTAACTGCAGAAACAAAGTGTCATG

>Sequence 4711 ACAGAGGTGAATGTCTTCTCCTCGGCTACAGCCTCCACCCCAAATACAAC CCACCAGTTAAGAGGGATAACACTAAACAATGCTGTTTAGTGTCATGTGC ACCCATCTACATGACCAGAAAAAATACTGTTCAATGCAAAAAAATTTACTA ATTGTTAATGCCTGGCCAGATGTTCTTGTGAAGAGCAAGGCAGAGGAAAA ACATGTTATCTAGTGAATACTCTATCCAAACTCCAAGAGAAACATCTCCA GTTTTTCTTCAGAAGTAATTTGATCTTCAACTGAGGGTCCCTTCATTCTT GGCAGTGAGAGGAACAGTGAATAATGAAAACAGGTGTTTAGAAACCTATG CAGTATACTTCCCGGGAAAGGAAAGTGAGCAACAATTACCTAAAACAACT GACATGACCTCATGACTAGCAAGACCTAACTTGAGAAAGCTGCTCCCTTT CCAGAAATTAATTGTTACAGAATGGAACCCCAGGTCTAATTAAAATCTGC AAATAAAAGTGCCTTAAGGGCCAACTTGTGGCTTAAACCCTGAATCCAA CCTTTTGGGAGGCCCAGGAAGTGGTTTACCCAGCAGGGAATAGAGACATC CTGTTAACAGGGTAACCCTGTTTTTATTAAAAATTTAAAAATTTTCTGTC TTTGTGTTGGAGAATAT

>Sequence 4712

> Page 964 of 990 of Table 4

Table 4

>Sequence 4714

ACCTGCCTTGTTCATATCCAACTAATTTTTTGTGGCTAATTAAGTAATTA
TAATCAAAACACTTAAGGTTTTAAAGGATGAATGACCAGTTGAGAGTTAC
TTCTTATTTGCTCCTAAATCCAATATTTTCCTGATCAGTCAATAACACT
TAGAACATCTAGTTATAATTGGTCATACAATACGCTAAAAAAATGATAATT
AAAAGGACTAAGACTATATATGGTCTTTTTGAGGGGATAACAATTGAATTA
TTTAAACAAAGTATATTAGGATAATAAAACACGAGAAGTCATTCCAGAGG
TTCAATCCATTATTCACAATTTCATTCTGTTTATAATAAAGCAACAGTGA
CCTTCACGTTAGTCTTGCTTAGCTGTTAACAACCAACTGGAGAAGCTGAG
GGCTATTTTTGCAATTATAAATCTGTGAAGATTGAAAAACGTTAAGATAA
ATAACGTGTCCACCTTATTAACAGGCAACCTATTTTCACACTTGAATACA
TATCAATAGGGGTTCCAAAGTCAATCTCCCTTAACCACCTCTTCTTACTC
TTTAAGAACGCACCTGTAGGAAGTGGAGGTGATGTTGTTGAAAATATTCCC
CATTCCATCCTTTAAAAAAGGCTTGGAAGATGTTGTTGAAAATATTCCC
CATTCTAAAGCTTTCAAATCTTTGGAAAAAAAACATTG
>Sequence 4715

> Page 965 of 990 of Table 4

Table 4

>Sequence 4716

>Sequence 4717

ACTTTCTCACCAATCTCATGAGGAGCGGGAACATGCTGAGAAACTGATG
AAGCTGCAGAACCAACGAGGTGGCCGAATCTTCCTTCAGGATATCAAGAA
ACCAGACTGTGATGACTGGGAGAGCGGGCTGAATGCAATGGAGTGTGCAT
TACATTTGGAAAAAAATGTGAATCAGTCACTACTGGAACTGCACAAACTG
GCCACTGACAAAAAATGACCCCCATTTGTGTGACTTCATTGAGACACATTA
CCTGAATGAGCAGGTGAAAGCCATCAAAGAATTGGGTGACCACGTGACCA
ACTTGCGCAAGATGGGAGCGCCCGAATCTGGCTTGGCGGAATATCTTTTT
GACAAGCACACCCTGGGAGACAGTGATAATGAAAGCTAAGCCTTGGGCTA
ATTTCCCCATAGCCGTGGGGTGACTTCCCTGGTCACCAAGGCAGTGCATG
CATGGTGGGGGTTCCTTTACCTTTTCTATAAGTTGTACCTCGGCCGGGAC
CACGCTAAGGG

>Sequence 4718

> Page 966 of 990 of Table 4

Table 4

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Table 4

>Sequence 4725

GGTACGCGGGCAAACTCATTAGCAAAGCACACAAAGACCTTTGTGATGTG
GTATTGCTGAATTAAACTACTGGCAGCCCTAGAAAGGTAAAGTGTATTTG
ATGCTTCTGTGCTGTTCCCTTAGCCCAGAAAGCCCTTCCAGTTTCTGTTT
AGTAAAGTCCTATTCATCTTTCACTACTCAATGAGTCATAAGTAATCCCA
TTAGGAAAGCCTGTGTGATCTACCTCCTCCCTAATTTGCCAGCTTGAGTT
TGCTTCACCCCTTCATAATACTCAGTCAATCATAATGTCTTATAATCCAT
CATAGCACCTCACACAATGAACTCCAATGTCTGGTTTGTTGGGATGTCCG
CCTTACTACATTGTAAGCTTCTTAAGGGTAGAAACCAGTTCTGATAGGCT
TAGGGCAGTGACCACCAACAGAAAAAGT

>Sequence 4726

CCCTTAGCGTGGTCGGGGCCGAGGTACTTTTTCCTCAATGAGACCTAAAG
TTTGCTTATGGAAGGAGCACAAGAAGAATTGCAGCTTGTGAGTTATTGT
AAAGTAGTCAAGGCTGGGCGCCCATGTCTCACGCCTGTAACCCCAGTGCTT
TGGGAGACCGAGGCGGGTTGATCACAAGGCCAAGAGATTGAGAATGATCC
TGGCTAACACAGTGAAACCCCGTCTCTACTTAAAAATACAAAAACTTTAG
CCAGGCACGGTGGCACGCGCCTGTAATCCTAGCTACTTGGGAGGCTGAGG
CAGGAGAATTGCTTGAACCCAGGAGGCGGAGGTTGCAATGAGCCGAGATC
ACTCCAAATGCACTCCAGCCTGGGCAACAGAGTGACACTTCCGCTTGGAA
GAGAAAGAAAGAAAGTTCCTGCCCGGCCGGCCGTCGAAGGGGCAATTCC
TAAACAAT

>Sequence 4727

>Sequence 4728

>Sequence 4729

> Page 968 of 990 of Table 4

Table 4

GCCAGGATCTGGTTCCAACCTCTGTCTGAAACGGAGGGCAGTATCTTAGC
TAACTTCCTTTTAAAGGTGCTCTCTCAAGTCTCTCCAGAATGGGCTCCAT
GGAAAGTTAATCCCACAGGGCTAGGGGTCTCATCTTCACAGTATCCAACT
GCAGCATTTAAATGCACTTTATTTTTCCTGGAACAACAGGAAAATACCGT
GAAAGCTTCAAAGAGGGCAGTGACAAGGACTGGGAAGAAG
>Sequence 4731

GGTACGCGGGGGTAGTTTGTAGCGGACAACATGGCGGCCTTCATGCTGGG
CTCGCTGCTGCGGACGTTCAAGCAGATGGTTCCTTCATCAGCTTCAGGCC
AAGTTCGAAGTCACTATGTAGACTGGAGAATGTGGCGCGATGTGAAGAGA
CTAAAAATGGCCTATGAATACGCAGATGAGAGGCTACGTATTAATTCACT
CAGGAAGAATACCATTTTGCCAAAAATTCTTCAGGATGTGGCTGATGAAG
AAATTGCTGCCCTCCCCCGGGATAGCTGTCCTGTTAGAATCAGAAATCGG
TGTGTTATGACGTCCCGTCGCGTGTGTGAAGCGGCGCTTGAGGCTTAG
ACGTATAGTCTTCCGTCACTTAACTGACCATGGGCAGCTTTCTGGGATCC
AGCGAGCACATGGTAAATGAGCTCCAAAACCTATTGAGCTTGCAGGAAG
CCAAGCTTTGCAGTACATGCACAAACCTATTTTTTTTAATAGACCAAAC
CCTAATTTTTACAGGGGCCCAGTACCTTGCCGGGCGG
>Sequence 4732

ACACTCGCCTGTGGCCAGCATCCGATGGGCTACATCCTCAATGAAAGACA GGATCCCTGAGAATGAGACGTCCATCCCCTTTACAGTGTATGGCAGCTCA ACTAGCTTCTTGCCTCGCTTTGCCATCTGTTCAATGTTGTATCCTGGACT TGGGTCGTTAGAAATCTTCAGCACTCGAGCAAAACGATCCAGACAATTAC CCACTGCAATATCGATGGTTTCCCCAAAGATACGGTAACGATGTTCCGAG

> Page 969 of 990 of Table 4

Table 4

TATGCAATCACCTGCGTATTTTCTCCACTCACATACAACACGGTTGGGCT GGTGGCTCCAGTGATGAGGCGGCCCATCTCAATGGGGCCTATTCAGTGGT TCACACCCACCAATGGCTTATTCCACAGTTGGGCCACAGAACCTTTGTCG CGACCACGC

>Sequence 4736

>Sequence 4737

>Sequence 4739

>Sequence 4740

CCCTTAGCGGCCGCCGGGCAGGTACCAAAGAATCTCTGCCTAAACAGGC TCTGAGAGAAAGTAACGGGCCAGTCTCTTCCAAAATGAAACAAGATACAG CAAAGGGAATATACTTAATTCAGAAAAGCAGCTTGGCAAGACTGAAAGGA GCCTGAAGTCAAAACTCAGAGACTCCCAGGTCTGATTTATCCTTCTCTCC ATTGGCTACATGTTCATAAGCTGAATGTTCCAGTCATGGAAAATGGGCGT GAGTTCAAAAATGTGCTAGTGTGACTGTAAAATGCTTTGTCCTCATCGTT CTGATTCCAGAGACTAAATACTTATATGGAAATTAGCCTATTAATAGCAT CTTATCGTAAGGATAAATTACAGTGCCATCCATGAGCAAAGGACTGGCAA

> Page 970 of 990 of Table 4

Table 4

TTATCTAGTGACTACAGCCTTTTAAATAGGGCCGGAGAAATAAAGGCAAC
TTTTTACCTAACTGATATGTGAAAGGGAACAGATCAAAAGTTCTTCACGT
TCTCCATGTGTCAGCTTCCTCAACTGGGAAACTCGTTCATTAATTGAACA
AGGTTACTGAGCTCCCACCCATTATGCCAGGGCTTGACCTTGGCCGTAAC
ACGCTAGGGCTAATTCAACACACTGCCGGTCGTTACTAGAGGACCCAGCT
CGGACCAAGCTGGGGTAATAATGGCAAAAGCTGTTTCCTGGTGAAATTGT
TATTGTTAACTTCCCCCACCACCACCACCCGTATCTTAT

>Sequence 4742

>Sequence 4741

CCCCCCACATTACAGTCATCACCTACGCGAACGCGTCATCCCCACGCCC GGCCCAAAAACTTGAACGTGAACGGCCCCATGCAACNCCCCACACAGCAC AGCGCCGCAGCGGACCCTTCTGGGGGGCAAGCTGCGGCGGAACTATTATT TTTTTATTTTTCCTGNNNCATCNCTGCTACCCAAGCCTCACGCCTGGGCC

TCACGGATTCTCCCAGCGCATACCTTAGGCTACAGCTATAGGGCAGCTG

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Table 4

GGACACAGTTAACCACAAAACAGGCCTCTCTGAAAAAGCCATTGCCAT
GGACTGCCAGACAGACAATGACAAGACACAAATACCTTCTGGTGTGTGAG
CCACGGGACATGTGAGCTTCCCCGCTGATGCTCCTCTTTATATCAAAGATC
ACTTTTACAAGATGAGCGACTCAATATCTTTTATCAAACCAATGATCACC
TGCAAGCTATGGTATATTTTTGCAGCTGTGTAGAGCTATGTGGCATGAGA
ATGTGGGACTTATAAATTGCTGATCCAATAAATAGACATTATGGGCAACA
GTGTCTTATCAGCTAGTGTGT

>Sequence 4747

CCCTTTCGCGGGGAGAAGAGAGTTA

>Sequence 4748

ACCCCCAAAGATTATTTAATCATTGCTTATGAĒTGTGGCAAACAATTTTG
TTACCGACAAGAACTCTGGAGAAGTCATGACAGGAATCAATGCTATA
AAGGAGATAACAGCTCGATGTCCTCTGGCCATGACTGAAGAACTTCTCCA
AGACCTGGCTCAGTATAAAAACACACAAGGATAAGAATGTAATGATGTCTG
CTAGAACTTTGATTCACCTCTTCCGAACACTGAATCCTCAGATGCTGCAG
AAGAAATTCCGGGGTAAGCCTACAGAGGCCTCCATAGAAGCAAGAGTACC
>Sequence 4749

GGTACAGCCTCCCCAGCTGCTTTCATGGGCTCGTGTTGAGTGTCTGT GGCTTTTCCAGGTGCATGGTGCAAGCTGTTAGTGGATCTGCCATTCTGGG GTCCAGAGGACAGTGGCCCCCTTCTCCCCAGTAGGGACTCTGTTTGGGAG CTCCAACTCCACATTTCTCTTCCACACTGACCTAGCAGAGGGTTCTCCATG AGTGCCCTCCCCCTGAGCAAACTTCTGCCTGGGCATCCAGGCATTTCCAT ACATCTTCTGAAATCTAGGTGGAGGTTCCCAAACCTCA >Sequence 4752

GGTACATACCTTCTGATGAAGAGAAAGCACCATATGTGGAAAACTTGCAA ACTGGAAAAGCATAAAGAAAATGAGCTGACTTGAGAGATGCTGCCACAGG AGTTGGCTTGTTCCCCCATCGCCAAACTTCTCCTCGGTCTCAGATCGCTC CATGGCATAAACAACCAGATCCACCAACTGGTCCTCCAGCACAGGGCAGC

> Page 972 of 990 of Table 4

Table 4

GCTGCTTGTGCTGTAGGGCAGAGATTAAATACAGTATTCCAAAAGCCTCT CGGTTAGTTTCAGAAGTTACCAGTTAATGGGCATTAATTGTAACAAGAGG CTG

>Sequence 4754

GGTACTTTGCTTCCTGGATTGTTGAATACACATACTGAACAGGCTTGGAA
GACCTGCTTAACTGCCAAGGCCAAGTTAGGCCCAATGAAGGGCCTGTTGA
CCATACCCAGAGTGGCCTCTCTCACCATATGGTAAGAGTTATGCAGGGTT
TTTGTAACTTTTCATTGAGCTGTTTTGAGGGAGATATAATTTTGATCCCAT
ATATCATCAGAATCCTCATTTTTGACCTCCTTTGCTCCTTTATTAACTGTT
TTTCCTGTGATGTGTATTCAGGTTCTATTAGGGAATCATAGAAGGG
>Sequence 4755

ACTITITTATAGAAGCCCAACTGGACTGACAGATGTCAAGGGGTTGGGGG ATCCTCAGTAGGCTAACCTAGCAGAGTTCTTGCTAAAACTGGGCTAGACA GGCCACAGACAAGATAGCCAAAATCAAAGCCTAGTTGAGAAGGGAATTCA GAGGAGCATGACTAAAATTTGGTCAAGGGGAGAGTCTTTGTCACCCCAGC ACCTAGCACAAGTGGTTGGTACC

>Sequence 4757

ACGCGGGAGAATAGAAAATTTCAGGCAGCAGTTTCACACGACTAGCAAAA GGAATCTATTGAAATAGCTGCAGCTAGGGACCGATAAGACCCTGAAAACC CGGGAGTAGATCCAGCTGGCTAAGACCAACTGGTTCCCACATGGCACTGG ATTTGACCTAGGTTTCACCTAGAACCTCATTATATGCTCATTAACATACA AAAATCACACCCTACCAGTATTATGACAGTTTCAGGAACATCCATATTT AGTGTAAAACTGGGTGACAGGCCGGGTGCCA

>Sequence 4758

>Sequence 4759

>Sequence 4761

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Table 4

>Sequence 4763

GGTACAGAGAAACCACAGGTTGCCCTTTCCACAGCTGGATAGACTTATCC
AAAACGGCAGGATGATTCTGTATTAATCTTTTTGGAAAGCATGTCTGTAT
TAAGATTGCAAAACATACAGATAGCTACCACAAATTAGGTCAAATGACTG
ATCAAGTTGTAACATCTGTGAGGTCAAATTCCAGTTATAATAAAGTGCCT
AGATACACATTTATACAACAGACCATAAGAGCTGAATTCTTTACAAATAT
CTTTATGGGCATGTAAAATTGACTCTGCATTTCTGCATGTGTGCATTCAC
ATAAGAGAGGCCAGTCTGCACTGAGTCATATATACCCAACTTGAAAAAG
TÄAGTGTAACAACTGGTTAATCATGCAAGTCTTGTTGGAATATAACCAAT
GACTGGTAAAACATGAATTCTCGCACAGTAGTAATAAGGTGCACTCATTAA
AAACACTTACGGAAAACCCTTGATTTGGGGCCGTATCTGAATTTCAAGTG
TTAGTTACCTTGCCATTTAAAAAAATTTTTTTGAACAATTTAAAAAGGGAA
AGACCAACTTTTAACTTAAAAAGAATTCCAAGTTGGTAAAAAACTGTTTT
TTCAAAAAGTAATTAAAAAACTTTGCTTGGAACCCTTCCCCATAAATTGGAA
ACCTTGAAGCCCTAATTCCACCCTAATTTAAGGGCCG

>Sequence 4765

GGTACCTGCCGCAGGAGGGGAAGGATGGGCTTCCTGCAACCTCCCTTGCC
CCACGGCTTCCCATCCTACCCCGGCCGCGCTCAGCTGAAGGCCAGCAGGG
ACGCAAAAGTTTTTAGGCCCCTTAAGTCTTTAGGTTAGCATACGTATCAA
GGACAGTAACTACCATGGCTCCCGAAGTTTTGCCAAAACCTTGGATGCGT
GGCCTTCTGGCCAGGCCTCTGCGAAAATCATATGGCTGTAGCAATTCGTG
CTATCCCTGGGGGTTGCAGCTTTGTATAAGTTTCGTGTGGCTGATTCAAA
AGAAAGAAGCTTACCGCCAGATTTTCTACAGAAACTACCATGTCATGAA
AAGAATTTTTTGAGGAGATGAGGAAGGCTGGTATCTTTCAGAGTGTAAAA
AGTTAATCTTGGAATATAAAAGAATTTCTTTCAGGTTTGAAATTACCCTA
GAAGTTTGGCACTTGAACTTTTGGTGTTCCCTGAACTATTGACCCCTGAA
TATTTGGGGCCTAAAAAAAAGCTCCTCCCTTCTTGATTAATAAACCATTTTGT
AAGGTTATGATATTATAAAAGTTCTCTGCCGGGCGCCCCCTTAAAGGGG
CAATTTCATCAACCTGCGGCCCGTACTTGGGTTCCGAGCTGGGCCCAACT
TGGGCTATCAGGGGATAGCTGTTCCCGGTGAATTTTTTCCCTCT
>Sequence 4766

> Page 974 of 990 of Table 4

Table 4

GGTACATGGGTCTGAGTGCGTATTTATTTTGTGAGCCAAGGTTTATGCCT TCTTCTATAATTTTCTTTCACCGAAAA

>Sequence 4768

>Sequence 4770

ACTITITATGCCTCAATTATATCACCTATCAAAGAGCCTGCTTTGTATGA
TGGTCGTGTTTGTCTTCCCATTTGAGTTGGTTTCCTGCTGAAATTGGACC
ATAGACATTCTCAGCCTGGAGTGGGAGGTGAGTTGGGATAGGCGAGGTCA
AGTCAGCCTGCAAGAAGCTTTGCTCCTTGAAGGGACTACTTTACTTTTTA
AAGAGCCAGGGGGGTAAGGAATTGGAAAAATGGGTGTTTTACAAATACCG
CATTTGCAAATTTCATGGTGCCAAACCATTGTGGAGTTTAGGTATCAACT
TTTGCAAAATGAAAGGGCAACATATTCCCAACCAAATATTGCTCTTCACC
TTTAAGACCCCAGGAGTACCCTTAGGTCACCTTACAGTTTTTTGGACCAAC
CTGGCTTGCAAAATTTTTAAAAGGTTCCTCACACCCCCCCTGATAATTT
GGATAATTAGGCTGGGAACCAAATTTAACAGGGGCTTTAAGTACAGGGGG

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Table 4

>Sequence 4771

>Sequence 4772

>Sequence 4773

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Table 4

TATGGTTTTGCATGTAATTTTCTTCCTCTATGGAATGTCTTTTTTACCCTT CTCTATTTGGAAAATCATACAGTCTCTACTAACTTGTTCTAAATATAAGC TATCTCTATTCCCCTAACCTTAACATGCTCCCCCAAATTCGATCCTTGTC CTGCCCCGGCGCCGTTCGAAAGGG

>Sequence 4775

CCCTTCGAGCGGCCCCGGGCAGTTACCCGGGCAGTTGACACAAAATAG
ACTACGAAAGTGGCTTTAACATATCTGAACACACAATAGCTAAGACCCAA
ACTGGGATTAGATACCCCACTATGCTTAACCCTAAACCTCAACAGTTAAA
TCAACAAAACTGCTCGCCAGAACACTACGAGCCACAGGCTTAAAACTCAA
AGGACCTGGCGGTGCTTCATATCCCTCTAGAGGGAGTTGTTCTTGAATCG
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ATTTCAGCAAACCTCACGACGGTACAAAGTAAGCGCAAGTACCCACGT
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AAAATGGGGGGGCGTACTAGGGAACAGGTCCCTCACCACACATTGCGGAAACCA
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>Sequence 4776

>Sequence 4778

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TGAGGCTCTCTCCAGTAACATCACCCTACAACTCTCCTTGTCCTCTGAGG
CGCTCTCGATCTCCCATCCATCTATCTTGTAAACCAAACAACCAAACTG
CATCAGTCGGCTAAATTGTATTAATTCAAGTGCTGTTTACCCCCATAATGG
AAATAATTAAATGTAGAGTTACTCCAGGCTCCATTAATACAGTATAAATC
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>Sequence 4779

> Page 977 of 990 of Table 4

Table 4

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>Sequence 4780

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CACCTTATTAAATTAGAAAGTTGATGTGCTTCCCTAATGCCTACTAATGA
GGTAAAGAACTAAAGAACCTCTGTGATTTCAATGAAGTCCCTTCAGATGT
TATGGGCTACTTGTTACTGACAAGTATGGTAGGAACTGTAGGTCAAGCTG
TCATAGGCAAATAGATCTTGCTGAAGAGGAAAAATTATTGGCTAAGATAA
CACCCTAGGACACCTGGCATACTTTAGACACAGCTAAAATTGAATGCTTTC
TGAGGAGGAGTGTATTAATCTGTTCTCACACTGCTATAAAGATATG
>Sequence 4781

>Sequence 4783

>Sequence 4784

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ACATACACCAAACAGATATACTGGCACATAAGCCTCAAATAAGGAGGAAC
AGAGGACTAAAACTCTGACTGCTGTTCTTTGTTCTAAATTTCTTCCTGAG
GGGCCTAAAAGAGCCAGAATGAACATTTTTTTCTACTGATCCCAAATTTT
TAGACAAAACTTCTCCTTAACCAATTACAAATCAAAAATCTTTAAATCCA
CCTATAACCTGTGGGCCCCTGATTTGAGATGTCCTGCCTTTTTAAATCAA
ACCAGTATATAACCTCCATATATTGATTTATAACTGCTGTAACTTCTGCC
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TT

>Sequence 4785

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Page 978 of 990 of Table 4

Table 4

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>Sequence 4788

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GTTAATGCCCTTATCTAATTAGGAAATTTAAGGCTAGGTTTGCAAAGTTA
CTTTTCATGAGATTTGGGTGATTTCATATTAGGATTACACAATCCAGTTT
TTGTGAGAAAGAAACAACTATTCACTCTATATTCTGCAAAATGTAATTAT
TTTAGGAAATTAGTCTCTAGGTTAATAATGTTTACAGTTCTAACATCTGT
GTTTTAGATTTTTTTGTGAGAAATTGGT

>Sequence 4789

>Sequence 4790

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>Sequence 4791

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Table 4

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>Sequence 4793

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GTAGGAACTCTGTGTGGGGGCACCGACCTCACATTTCCTTTTCACACTGC
CCTAGTAGAGGTTCTCCATAAGGGCCCTGCCCATGCAGCAAATTCTGCCT
GGGCATCCAGGCATTTCCATACATCTTCTGAAATCTAGGTGGAGGTTCCC
AAACCCCAGTTCTTGACTAATGCGCACTTGCAGGCTCAACACCATGTGAA
GCTGCCAAGGCTTGGGGGCTTGCACCCTCTGN

>Sequence 4794

>Sequence 4795

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CTTACAAGTTAATAGGAGTAGTGTAGATGGTATAAGAAAGGAATGAAACT
CAGAAGGAAATACACCACATTGGCCATAAGAAATAAACCTCACAAATTTT
ATTTGTTTCTCTTCCAGATCCGACGTATCCTGAAGGGAAAGTCCATTCAG
CAGAGAGCTCCACCGTATTAACTCCATTAGCTTGGAGCCTGGCTAGCAAC
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GGGCCCTCGAAAGGGG

>Sequence 4796

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TAATTGGTTCTTAAGGAAACTCCCTTTGAGTGAGACGGGAATTTCTTGTA
GGGTTTTAAGCAAAGGAGTGCCTTGATTTAACTGACGTTTTAATAGGATC
CCTCTGACTGCAGTATGGAAAACAAACTGCAAGGGGGCTTGGAAGCCAAC
TGCCAACCATTGCAACAATTNCAGGTGAGATGGGATGAGTGGCTTGGACC
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>Sequence 4797

>Sequence 4798

CGAACTCTTTTTTTTTTTTTTTTTTCTCTAATCTTGTCTTCATGCTTTAT TTCATTAAGTTGATCTTCAATCTCTGATATTCTTCTTCTGCTTAATCAA

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Table 4

>Sequence 4799

>Sequence 4800

>Sequence 4801

>Sequence 4802

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Table 4

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TTTTTAAAACCAATAAATCATCAATTATTAGAAATAGTTGTCTCACAGTG
ATACTGGTTTTTCTTTTGTGCTGTTATGATTTAACATTGACAGGAACACT
ATTTTAAATCCTTACGTTCAGGTGTTTGTAACTTGGCCTTATAATTAGGC
TGAATTATGGGCTTCAAAGGCTACAATTTTAGTGTATTTTACACTTTGGAATCTT
TTTTTAAGTATAAGGTGGGCTTTTCCTTTTAAATGGTCAAAACTATTTTT
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TTTTTCCGATGGTTTTAATGAAGGCCCTTG

>Sequence 4803

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GGATTACAGGCATGAGCCACTGTGCCTGGCTGGATATGAAATTTNTTTT
TATTTTTTTTTTGAGACAGGGTTTCGCTCTTGTTGCCAGGGGCTGAGTGC
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ATTCTCCTGCCTCAGCCTCCCAAATAGCTGGGATTACAGGTGTTTTGCAC
CATGCCAGGCTAAATTTTTGTATTTTCAGTAAAGACGGGGTTTTTCCATG
CTGGCCAGGCTGGTCTCGAAATTCTGACCTTAGGTGATCCACCCGCCTA
AGCTTCCAAAATGCTGGGAATACAGGCAAAAGCCAACCCACCGGGCTGG
ATAGAATTTATAATACCCTACAGGCACCACAAGAAGATGCCCTCAAGCAC
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>Sequence 4804

>Sequence 4805

>Sequence 4806

ACCGCGGCCGTTAAACATGTGTCACTGGGCAGGCGGTGCCTCTAATACTG

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Table 4

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>Sequence 4807

>Sequence 4808

>Sequence 4809

>Sequence 4810

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> Page 983 of 990 of Table 4

Table 4

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TCCAAGAGCACAAAACTGATTCCTTCTGTGAAGGGTGCCAGACCCAGGCC
GAGGAGGGTCAGGATGCCAGAGGTAGTGCCAACAGAGTTGGACACCACAT
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TCCTTAATGACCATGTGACTTGCAAGCTTGTTAAAAACTTTAACGGACTT
ATTTGCCTCATCCCTGGGCCGTTCAACACCAGCCACAAAATCCATTCCAG
CTTCATAATTCATCAGCAATTGTAACAAAAATCTTTTTTGCTACTTGGGCCT
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>Sequence 4813

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AAATATATCAAGAGATTATGATTCTGTAAAGCTGTGGAATGAAGCTGCA
GATTTAGAGAACATTGGCTTCTGAAAAAAAAAGAGTGAAGATACGCG
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AGTGTCTTCCACAACCTGGGATGAAATTGATTCTGCAGTAAAGATGTTGG
TGTCATTAAAAATGAGCTACAAAGCTGCCGCGGGGGAGGATTACAAGGCT
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>Sequence 4814

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TTTGACCTGGAACTTGATGGAGGGAGAAAACTCCTTGGATGATTTTGAAG
ACAAAGTATTTTACCGGACTGAGTTTCAGAATCGTGAATTCAAAGCCACA
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ATCCCTGGGATGCTTACGTAAAGCTGAAGAGTTTTCACGCGAGCATGCTG
ACCAAGCCAAAATCAGGAATCCTGGGCACCTGGGGAAACTATGCCTGGGT
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>Sequence 4815

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Table 4

GATCCTGGAATTGTTTTAAGTCACTGAAGAAGAGGACAAGGGTTCCT >Sequence 4816

>Sequence 4817

>Sequence 4819

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>Sequence 4821

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Table 4

>Sequence 4823

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GAAGTCTCTGCACAATTATGAGCTGACCATTAAACTAACCAAGCAGAGAC
CTTGGTGGCCACACACAATTAAAAAATATAGACTTAAAATAATTCAGAAA
TGACAACACAAACCAGTGACAACAAATAACAAGAATAAACTCTGGGGGTG
CAGGAAAATTCCGATTTACAGAATTGCTACTGTTAGAGAACCAAACTGGG
GCCCGCTTGCCTGCTGCAGTAAGACCAGATATCTACACTGAGGTTTGTAG
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AAGGGCAGAAGGCAAAATTTACAGCAGGTTTAAATATTTGGAGGTTTCT
TTCCGGTTGGATTAAAAAAGGGAGGACATTTAAATTAGGGGCCACCAGGTA
TAGGGGGATTAAAAAATTTGGATTTGAATTGGTTAAGGAAAAATTTGCAA
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>Sequence 4826

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> Page 986 of 990 of Table 4

Table 4

>Sequence 4827

>Sequence 4828

>Sequence 4829

>Sequence 4830

>Sequence 4831

GGTACATGGCAATTAGAAGTTGTCATGGCAAAAGAAAACCACAGCTGGCC

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Table 4

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>Sequence 4832

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>Sequence 4833

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>Sequence 4835

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Table 4

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>Sequence 4836

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GGTACCCAGAGAGCCAGAAGGCTGTTGGTGAGATGGAGCAGTCACTGAGC GGGTCACCAGGAGAACTTACTTTATGAGATCTGCTGCTAATTTCTGACTT TGGGCAAGTCACCTCACCAGTCTGGGGCTAAGATTCACTCCTCATCAGTA AAATGAATACTTTGGATGAGACGGGAGGTTTTCCCATTCTGATGCTAGGA TCTTGTTCATGAGTTAATGAAGACAGTTGAGGAAGGTAAGGAGCTATTTC TACTTGATTAGTGAGGCTTCAGTCTATTTCAACATTTCAAAGTTTTTCAT GATAATTTGTTCATGAAAAAAAAAAAAAAACAGAGGAGTTGCTCCAGCTCT AAAAAAATTTGAAAACCACACCCTGTGCTAATTGCAAGTCTAGTCTACT CTGGTGCTGCTGTGGTATTGCAGACATAGAGTCTGCTCTGTGGT >Sequence 4838

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Table 4

>Sequence 4840

>Sequence 4842

>Sequence 4843

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>MPM2000-002P8_breast_Table1_1 ACACTATCCCTCATGATGACTCCTTAAGTGGGTCATCGTCTGCATCTTCGTGTGAACCAGTG **AGTGATTTTCCAGCATCT** TTCCGAAAATCTACCTACTGGATGAAGATGAGAAGAATCAAGCCAGCTGCTACTTCTCATGT CGAAGGGTCAGGTGGAGT ATCAGCCAAGGGAAAAGGAAACCCAGGCAGGAAGAAGATGAAGACTATCGAGAATTTCCT CAGAAGAAGCATAAGCTTT ATGGGAGGAAGCAACGGCCTAAAACTCAGCCCAATCCCAAATCCCAGGCCCGTCGTATTCG GAAGGAACCACCAGTTTAT **GCAGCAGGCAGTTTGGAGGAGCAATGGT** >MPM2000-002P8_breast_Table1_2 **ACTITICAAACTCCAGATCTAAATATGTTTACTTTTCATGTGGATTCGGAACATCCCAATGTAG** TGCTAAATTCATCCTA TGTTTGTGTCGAATGCAATTTTCTTACCAAAAGGTATGATGCACTTTCTGAGCATAATCTGAA **ATATCACCCAGGAGAAG ATCTGACTTTTGATGGT** AGTTTTGTTAAAGAGGAGAATGCAGAGCAAGCAGAATCTACAGAAGTTTCTTCTCGGGAAT **ATCTATCAGTAAAACTCC** TATCATGAAAATGATGAAAAATAAAGTGGAAAATAAACGGATTGCAGTTCATCATAACTCAGT TGAGGACGTTCCTGAAG AGAAAGAGAATGAAATCAAACCAGACCGTGAAGAAATTGTAGAAAATCCAAGTTCTTCAGCTT CTGAATCTAATACAAGT ACCTGCCGGGCGGCCGCTCTAAACTAGTGGATCCCCGGGCTGAGGAATTCGATTAAGCTT **ATCGATACC** >MPM2000-002P8_breast_Table1_3 ACCTGCCCATCCACTGCCTTTTCCATGTATCCTGGAACTGAGCATAGACCTCTTCCCAGGCA GAGCTGACAGCAAGTAAA GGAGATCATAATCAGGGGACCAAACAACTTTGTCTAAAGTGTGAATGTCACCTAAGGAGAAG CTGTGAGATCAGAAGGGT GGGGCAGAGCAGCACCATGAGGGAGAGTCCTTGGGGGT >MPM2000-002P8_breast_Table1_4 GCTGATCTTTCACGGTCAAGCCCCGGGGGGGGACCCATCCCTGCGGTCACCTTGACCGAAC **CCTGTGAAAGCTACTGAAAT AATGCACACCTGAACTCC** GGATTCACAGCAACTAGTCGGATGATCCACAGTGGAAGAAGCCAAATGCCATGCTATGAGG **ATACTCAAGCAACTTCATG** CATGTTTGAGAGCCACCTG GGAAGTGGAGCCCTCAGCCCCAGTTAAACCTTCAGATGAGACTGCAGTCCTGGCCACCATT TGGACTGCAACTTCACAAG AGCTTCTAAACCAAAGCCATGCAGATGGATTCTTGGCCCCCAAAAATTGTGCCACTACATTTT TGGGAAATTTATTATGC AAAC >MPM2000-002P8_breast_Table1_5 ACTGAAAGGATGAAAAGGTGGTGTCATGTTTTGGGGAAATCTTACTTCTCAAATGGAAATT **GCACTTTGTGCTGAATCC** TTTGCATTTTTTTGGTAGTAAGCAGTTCATTGAGTATCAGGTCCTCAAAGGAATGAGTTGGCC CGGCTAGGGTGGGCCCT CTTGACCTAACTTCAGAGGGGGCCTTGGCTCAGTAGGTGTGAATCAGGGAAGCCACATTGT **CCTCAGGGTGCTGTATGAA CTCGGAGCGGTCGGT** >MPM2000-002P8_breast_Table1_6

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ACCTTCACTGGAGCACTTGGAAAACAGAAGAAATCAAAGGGCAGTCAGGACTCTCCCAGCA **GGCAGGGACCAGGTCAGAG** TCAGGATGAAGACAAAGCACCCTGAGCAAGAAGCAATGGAAGAGATGCTTGTGACCCGAGC TGATGGGGAAGGTTGAGGG CAACGCAGAGACCCCACTGCCGACTTGCCAAGAAAACGTGCAGGAAATGAGGGAAGGCTC CATTITCCTGAGAAAAGGGA TGGAGGAACATAAGCAGCATCAAGCTCCAGCTACTGGCTCTTTGAGAATGTAGTCGGGACTT **GCCCAGTCACCCTTGCC** CTGAGAACTCAGTGACTGGGGCTAATGTCACCCTGGCTGTCCTTGACCTGTGCAGAAAGCA CTGCCAACCCT >MPM2000-002P8_breast_Table1_7 ACTGAAAGGATGAAAAGGTGGTGTCATGTTTTGGGGAGAATCTTACTTCTCAAATGGAAATT **GCACTTTTTGCTGAATCC** TTTGCATTTTTTTGGTAGTAAGCAGTTCATTGAGTATCAGGTCCTCAAAGGAATGAGTTGGCC CGGCTAGGGTGGGCCCT CTTGACCTAACTTCAGAGGGGGCCTTGGCTCAGTAGGTGTGAATCAGGGAAGCCACATTGT **CCTCAGGGTGCTGTATGAA** GCTGGGTGTGGGCGGATTCCTCCCACACCTTCACACT >MPM2000-002P8_breast_Table1_8 ACATGTATTTGTCACTTAAAGGTTCTTTCTGTAAACTGCTTCAGATTCTTTACTATTCAATTTT TAATTGTTAATATCT GTAAAGAACGTTAATATTCCTCTTTATAATCAATCTTTCCCAGTTAGCCTTAAAAATGTATTCC **CTACTTTTGCTTCAGG** AGATCATTATTTGCAAATGCAAAGATTTTTTACTTAGACTTTTGAAATCACTCTTAGTAACTTTA **ACATTGTTTTTAGGT** ATGAAATTGAAGGCTGTGAAGTGATTTGGGCCATTAAAGATAAAGCTATAGGGAATACTTTCT TTGATGCAGGAGCAGCT **GAAT** >MPM2000-002P8_breast_Table1_9 **AGTGTGCAGCCACTCAATGG** CAGGGATTCTTTTCTATTTCCAGCCGGGGTGGAAGAGACCCCTTTGTCCCTCAGACAAGTG GCCCCAGTTGAGCCCAGC GCTGAAACCGCCAGTCATCCGCCTCTGCAGGAAGTGGCCGCCCTGACACATAGCCCAGGG CTGGATTCTTGTGGAAGAGT CAGTGGAGTGAGATGGTGATTGAAAAAGGAAGAAGGCCCCTCCTCAGATCCAGGGCTTTAA CCCCAGCGCACTCCCCGAT **GTCTCACCCTTTGAGCTCCATGACTGCATTCCCACTTCAAGGTGCAGGCACGGACGCTAAC** GGCCCAGTGACTTGGCCAA GGCCACCCAGTAATGCAGCAGCTGAATTGGGGGCATCTACTTCTGGCCAGCACAGCGACTG **GCCTTTACAGGCTGCTCCT** GGACAGGTGTGTCTGGAAAGACTGCAGGGCAGCCACTCCGGATGCTCGGGCTACCCC >MPM2000-002P8_breast_Table1_10 ACATTTTGAAAAGCACAATAACTTGTATTAATTGCACTTAACACAATGAACCTTTAGTTTCCA **ACCAGTTTTCATTCTC** TGCAGACCCGGGCTTTCTTTTATAAAAACTGCTTTCAAAAGGCATAGAGACACCACACATG **GTCCACAGTAAATTCAAA** TAGAGAGGTGCAATAGTTGCAGTGGTAAACACACAAAAAAATACATTTTTTTGGACTAAAAAAT CTGGTCACGGATAAAAG CATGTGCCTTTTCATTCTTCTCTGGGATGTTACAACAGCAACACGCTCTAAAACAATTAAGTT **ACATGCATAATGCTAAA AGAATGTGAGCAAT** >MPM2000-002P8_breast_Table1_11 ACACACCAGGGATTGGGGGCCCTGCAGCTTCTACGCCCAGGGACATTTGCTTCGGGGACT GGAGTCCTTGCTGTGGCGTG

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AGGCTGTGTCTGGCGTCTGGGAGGAGGACTGTGTGGGGTCTGGGTTCCCCAGCCCTAATG ACCCAGCTGGTTGAAGGCAG CAGATGAAAGGAGACAAATGACCACGCAAACCCTGGGTGGCCTCATGAACAGGTGGCGGA

CAAGGGTGATCCCTGTTGAG

>MPM2000-002P8_breast_Table1_12

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AGGAACTTTGGGTTAT

CCAGCCACTGAAGTAGATATAAATACAAGGATGTGTAAGGTATGGATGATACGAACT GTCATCTTACTGGATTTG

TCCGCTCTGTTAAAGATACGGTTCCGAAAACTTTTTAAAGCCCTAGAGAGGGCTTTAAGGCA ATGTAACATCATATATAG

AGGCATCAACCTGTTCATATCTTTCTATTTAACAGAACTGTGCACCTG

>MPM2000-002P8_breast_Table1_13

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CCAGCCACTGAAGTAGATATAAATACAAGGATGTGTAAGGTATGGATGATGGTATACGAACT GTCATCTTACTGGATTTG

TCCGCTCTGTTAAAGATACGGTTCCGAAAACTTTTTAAAGCCCTAGAGAGGGCTTTAAGGCA ATGTAGCATCATATATAG

AGGCATCAACCTGTTCATATCTTTCTATTTAAC

>MPM2000-002P8_breast_Table1_14

ACATCATATGCCTGCTGAAGTGCTCTGACTTTAGGATGAGAAACTCTAACATAGGCCGGAAG ACAAATAAACCATAAACT

GTAACAATGACTAAACAGACACTTGGCCCACTGTGGTGGATTTGTATAACATCTCTTCGCCA
ATTTATGAGCTGTTTTTA

TTTCCTGTTTAGTTCTCTTAGCCATGAGAGGTGGACTCTTTG

>MPM2000-002P8_breast_Table1_15

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CACACGGGCGAGAAGNCGANGCCCAGAANAGNGAGGGGAAAAAAGANGCAGACGGAGCCCAACCCCANGGAACAAAAAGA

GGACCCANACCGGGGAAAGACCNAACCAGNNCAAAGAGGGGGGGAAAAGGGNCAGGCAG CCNAGCAACCANAACCGCGNG

CAGAGAAAGCACCNGGAGACAAGCCCNACNAANGGNGAAGAAAGGGGGAAAANGCCGCCAAGGAGAAAAGCCAGGGCNG

AAACNCACGAGAAAACCACAGGGGGNNAAGACCNANGCNANACAACGAAAACCAAAGGGAAAGGGNNCGACCCAAA

NGGGCCGGCCCGGGNAAACCANCAAGGGAAGGCCACCCCNAGGGNGAAAACCNAAAAAA GNGGAGGGAAAGGGGGAAAC

CC

>MPM2000-002P8_breast_Table1_16

GTGAATCAACGCAGGTCAAAATGAAATTTACACTGAAGGCTTCCAAACCAAAGGGAAGGACA GGATGTGTCATCAAATAT

GTTTCGTCACCTTGTATTATACAAAAGGCTATTTTCTAAAGAGTCAGAGAAAATCTGTGAAAC TTATTGTGCGGCCCCCT

TGTAATTAAATGTTAACTCCCTTGTATTTAATTTTCAACACTACATTAAGAATTAAGTGGTTTCAGTTTGTGGACATAAG

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CAACACTTATTAATATCAAGGTGTTTAAGAACTCAGGAGGTCAAACATATGAATACCAACAGA **GATCAGTATTTTCAAAA** TAAACATTATTTATACAAAATAGTTTTTAAATTAAATCAGAAAGCATTTAAAATAATTTAATTTTAC TGTATAAAGAATTT **GCTTTATTTTAGCTATGTAATTGTATCTTTCAGAAAACAGAAAGCTGATGC** >MPM2000-002P8_breast_Table1_17 TTTGCTTCCAGTTTATATTTCACATCCTGTTCAGCTTCATTAATATGCCATGGGTCACAAAACT CAGTGCAATAAAATGT GTATGAAAGAACACCCTTCAGAAAAGATGAGACTCTTTCAAGTGTAAATACTCTAAACTAAT **ATAAGTCAAAATATATT** TTTTGTGCCCAGTGATTTTTAAAAATTACCCAGTCAACCATTTCCTCAATAATTCAAATACTCA AGTGTCCATTTATATT TTTGGAATAAGCGAGAGTGATCGTAGT >MPM2000-002P8_breast_Table1_18 ACGCGGGGATTGTGTGCAAAATCAGAGGGGGGGTGCAAGATCCTGATTTTTCAGGAGTTCAA **GCGACAATGGCAGTCCAAT** ACGCAGTATGAGCTTTAACCCCAGCACACCAGGGGCCAGTTATGGGCCTGGAAGGCAAGA **GCCCAGAAATTCCCAATTG** AGAATTGTGTTAGTGGGTAAAACCGGAGCAGGAAAAAGTGCAACAGGAAACAGCATCCTTG **GCCGGAAAGTGTTTCATTC ACAGAACTTGTCGTAGTTG** ACACACCATGCATTTTCGACACAGAGGTGCCCAATGCTGAAACGTTCAAGGAGATTATTCGC TGCATTCTTCTGACCTCC CCAGGGCCTCATGCTTTGCTTGTGGGGGGATCCACTGGGCCGATACACTGAAGGAGAGCACA **AAGCCACAGAGAAGATCCT** GAAAATGTTTGGAGAGA >MPM2000-002P8_breast_Table1_19 ACCTCACGCGCATAAATTTGCTGCTCCTATTTTTTTTTCTGTTTATGTGTTTTTATGGATCTAA **GTTAAATCTTTTGGCA** ATATATAAAAATGTAAATAGTAAACTTTATTTATTAAGAATGTCATCTTTTTTAATTTATATTTAC ACAATTGTTCATCT AATTTATTTTTTCTATACAGTTTTAAATACTCAGACATATTTTGCTGTTCATGATATTTTTATCCT **GTTCTCATGGATTT** GTTTTCCCATACTGTTTTCTCTGATCTCAATTACAGGTTGGATCTCACAAATAATAATGTCAGA GACAGAAATATTTTGC CACTGTTGATTACTATACTTTAAAGTTCTATATTATGAAAATATATAATAGCTTGT >MPM2000-002P8_breast_Table1_20 **AATAATCTAAGTTTTA** AATATTATTTATCCCCATCCGTTCGTATTTATATTAAAGAATTCTGT >MPM2000-002P8_breast_Table1_21 ACAAGAATAAGGTTCACAGCTGAATTGGCTTGGTGTCCTAATTCCCTATTCCAGTATTCTCAG **AAGGATCCCATCTATGA** TATATGCAGAAATCACAGCCACATTTGAATGGTTCAATCTTGATTCATACTGAACTCCCTTAA GCCCAGCAGTTTCTCAT TCTTAAAAGGTAGGTTATTAGAGCCCCAAAGCAATTTTCATAACAAATCTACCTTTGTATATTT **AAGAATATGCATTAAG** GCTAGGAGTGGTGGCTCACGCCAGTAATCCTAGCACTTTGGGAGGCCGAGGTGGGCAGAT CACAAGGTCAGATTGAGACC ATCCTGGCCAACACGGTGAAACCCCATCTCTACTAAAAATACAAAAATTTGCCCGGGCGGTG **GCTCACGCCTATAATCCC AGCACT** >MPM2000-002P8_breast_Table1_22 ACTCTATGTCCCTCCCAGTTGCAACAATGTTGTTTCCAGCCTGGTTCAGCAGCTTGCTGGTG **GTTTACTAGGCAGACATG**

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Table 5

AGCCAGAAACAAATCAGCAACCCTGGAGTGGTCATTTAGGATCAGTTTTGTCTCCTTTTACA **AAGCAATGAGTGCTTTA** TAAAAGCATTTCTCCTCAGGAAACTGGCTCCTCAAAAGTCGTTCTCCAAGCCAGCAGCTCAC **AGTAGATGGATGAGTTTA** CCTGTCCTAATAATACTTTTTATTATAATACTTTTATTACTGATACTTTATTATAATACTTTTATT **ACTGATACTGATAC** CTAGTAATACTTTTATTAGATGAAATGTATCCCCAGGCCTCCACATCAGCCTTCTGGGGCCCT GACAGTTGTTTACCAGT AGCTCCACACCTCCACAGGCTTGTTCTCTCATCCCTGTGAGGGAAGGTTCAAAAGGCAACT **GGATTCCTTACTAT** >MPM2000-002P8_breast_Table1_23 ACTCGCTCAAATTAAGTTTTTTTAAAAGGTCTGTAATTTGAAAGGAAAACAATTTTTCACTAAA **AATATCCTTATTACAT** GAGACACTTGGGAATG TTTGTTTTAATCAGTGGGTCCTAAAAATCACTGCTTCCACCTGCAAACGAACACGAATCCAC TGTGGATGGCGTCCTCT GACCCACCCTGAAGGGTTCTGTTTCTCCCACACACTTCCTTTTCTGCAACTTTCAGCAAAGC **AGGTTTGGAAGAAAGAG** GATTACAAAGAACTACGACTGGCTCCCTAGTGAATAACTTAACACGGTAAAACCCGGTTTTC CATTTACATTACACATTC ACAATCGCTCACTGCTACTTACTTCACTGACGTA >MPM2000-002P8_breast_Table1_24 ACCTACTATGTCAGCCATGGGGGATACAAAGATCTATAAGGCACAAGACCCTCAGTCTTG **TAGTCGCCTGACAGCCAG** CCAGCTACAACATAATGTGGAAAGGACAATGGTGGAAAATGCACTCAGGTCTTCCTAATGCA CAGAGTATGCTCAGGCTG TGACATCAGGAAGAAAACAGATATTTACCTTAACACGGACTTGGAGGACCTTCAAAAAACAG **TGATGGGAGGAAATCCAG** TTTTAAAAGTCTTGATTTAAAAAAAAGAAAACACTTTCTGTGGATAAAGATAGGCTGCAGGAA ATGTAACCTATGAAATT TTCTCAAATTAGCTTTCAAACACACACAAAAAATTGCATTTGGTTGAGGAGCAGAATGTAACT **TATATTAAAGAATAAAC TACTATTTAGTATCTGAGTGAAGT** >MPM2000-002P8_breast_Table1_25 ACAATAAAGTTCACCCACCCTGCACTTTGGCCCTTAGATCAATCCTAAGTAGCCATTGCCAG **TAGGCCAAGTTTAATCAG GATGAACAGCTAATACA** GAGGTCATATCCCTTACA TCTCTACCAGGTATTAACACCTAACTACTCTCTAGCCAGAGGCAATTCCCTTTATTTCCTTAC TCTCGTCGTCTTCTCTT TAGCCCAATCTCCTGACAATAGTTAAAACAAAAAGACCCCCAAAATATCTCTTGCTAAAACAG AGTAGTCCCTAAACTCT CTCATCTTAGACTACTGTCAGGT >MPM2000-002P8_breast_Table1_26 ACAAGCTAAGAAATGTAACAGTATCAACCCTCCCAGTTGCTTAATTATACCCATAGGTAATAC **AAAAAGCTCTGAAGACC** CAAAGATGACATTACTAATGATGTGATTTCAGGAGCCACAGAAGAACCTTACCAGCTTCCCT CAAATCAGTCCTTATCCT CTTTCTATCTTCACTCCCATCATCATCTATTTTCACACTATCCAGCTAAGCAAAGATTCCTGGA **GGCTGACTTGTATCTT**

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CCTGTTGCTAACAAATTT

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Table 5

ATATTTGCCAAGGATATTAGGCAAAAGAGGCTACTTGATTGGTGGCCAACCTCGTGCCCACA >MPM2000-002P8_breast_Table1_27 TTTTTTTTTTTTTTTTTTGGAGAAACAGGGTCTCACTATGTTGCCCAGGCTGGTCTCAAA **CTCTTGGCCTCAAACA** ATCCTTCTGCCTCGGCCTGCCAAAGTGGTAGGATTATAGTCATGAGCCACTGCGTCCAGCTA **GAAATAGCAATTTTTCTA** ACACATATATTCATTGGTTTATGTATGAATTTAGAATATCAAAGTGGCATGAACAGGTTCAAG **ATCCAACAAAAGGGAA** TCTTGATTCTGCCTCACCTAATAAAAGCAGAAGTGCGTGGGCGCACTAAAAAGTAATCTAGC **TGTGGGCATGCAGCATGC CTGAAATTT** >MPM2000-002P8_breast_Table1_28 ACAAGGGTGTTGGGCCC CCTTTCTGGGTGGATTCAGGGGTAGTCAGATATTCCAGGTTAAACTGAACCTGATGCATCAA TCTCCTTCTTGGAGGTGT CACATTCACACTCCTCTG TGCAAACCTTTCTTTGCTCATCTTGGTGAGAAAACACATCCAAGAGT >MPM2000-002P8_breast_Table1_29 ACAGAGAAGGCACTGAATAAATTCACAAAGGCCGATTGGTTCACCCATTCTTTTAGAGACAA CAGACACGCAATTCTGAC GAGGACTCCTGTTACTAAAAGACACAGCCTCTGATACAAGAGAGATATCCCTTTGACTGAAG CATTACCAGGGTCCCCAG GGCCCCTCCCACTGGGGCGGTAACACTACGGGTCTCCCCACCATATATTCCATGTCAAAG **TATCTACACAAATACAGAG** GAAATTAAGCAAGTAAATACGGTATGTAATTGTTATCATTTGTATTTCTTTAAGGCATATTTAT **AAATATTTTAAAGTAA** ACAATATGAGGTGAGTGCCNTTTCATTAGCTATGATCTTTCATACTGATATTTTTGAACTGAT **CTGAATAGNCAGGTTA CTGTGGAAGCATATAACATAAAA** >MPM2000-002P8_breast_Table1_30 ACAACAGGGACATAATTTCTCTTTTGGCTGTTATACATTTCTTTTAAAAAGCAAGTGATTGGTA **GGAATTTGGCAAAAGT** TGAATAAGTTACAAGAACAGGCTTTTATTCATTTGCTATTTGGTTTTATGTTTCTTGTTTACTT **CGTTTGATTTGTTTC** TCAAAACTCACTCAGTGGGATTACCTGTCTGTCATGTAGCAGCTTTTTAAAAAACTGGACTGT **GCAGTGTGGTTCTGAGT GCAGTCTTTATAAAGCCCAGTGCTGT** >MPM2000-002P8_breast_Table1_31 CTCCACCGCGGNGGCGGTTGTCCGGGCAGGTTTCTCACGCGCATAATTTTGCCGCTCCTAT TITTTTTCTGTTTATGTG TAAGAATGTCATCTT TTTTAATTTACACACTTGTTCATCTAATTTATTTTTTCTATACAGTTTTAAATACTCAGA CATATTTTGCTGTT CATGATATTTTATCCTGTTCTCATGGATTTGTTTTCCCATACTGTTTTCTCTGATCTCAATTAC **AGGTTGGGATCTCAC** AAATAATAATGTCAGAGACAGAAATATTTTGCCACTGTTGATTACTATA >MPM2000-002P8_breast_Table1_32 ACCCATTGCATCATGAAGTTTGGGCATATCAACATTTTGACTCATTCGGGAAATCATACGCAT **TAAAAGTTGAAGCTTTC** TACGATTTGGTGGGGGAAGTAACAAACAACATAACTGTAGAGCATCGATGGCAACCCTCTCT **AAATGAGGTTGCAGCAAG**

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CTTTGTGTGCCAGTCAACATAGAAGAAGCTGGAAGTAAAGAATTTTCTGAAAGTTCTATTGTA CCTTGGCCGCCCGGGCA GGTACGGAGGTGAACTGAAAGAGACTGCTTCCATTGGCCTAGTCCAGATGAGTGTATATATT **CCCATCAGAACCCACCAC** TGGTCATCTTTAAGGCATTCACAAAATGTCCCTCACAAATTCACTTAATCTCTAGATAGGCAT **GTGGTCTGAGGCAGCCT** CTTTGTTT >MPM2000-002P8_breast_Table1_33 ACCTAAGTCAAAAGGCACTGGTTTGGAGATGGCACACTCATTTTCATGCGTGTAAAATCTTAA **ATCATCCACTTTGCAGG** CAGTGGCTTTGATAACTCACTGCAGTGTTCAAGGGGGTTTATAAAACTGGTTATAAGCTTCAAA CCCATGTTTAGAAAAAT TGACACTCATAGAAAAAAATGCTTTCTCTGGGCTAATTAAAAATTAAAAAATTGAAATGTAAAC **CCAGAAGTATGGCTCA** CAAAGCTATAGAAAAGATCCTTCATATCATCCCTGGCCCTAGCACCGTGAGTAGATGTTCAC **CCTGATAAGGCCAGGCGG** AGGTGGCCCATGTGAAATTCTTTGGCTTTGAGCTAATTGCTTAGAGAATGCTAGGCTTCCTG **GCCAGAGCCTGAGCAAAC** TGCAAACGCACTGCCATCTGAAGCCTCCCTGGAAATGTGAAGGCACTTTGGGGCAG >MPM2000-002P8_breast_Table1_34 ACTAACATGATGATAGGTTTTCAAAATATCTTTGTAGTGGATGCTGCATAATTACATTCACTTC **TCTTAGACTGTAAAAG** ACTITCTTGACTTGTTTTAACAGTAGAGATAGCAGT >MPM2000-002P8_breast_Table1_35 ATTTGATAATTTTCTT TTTTCTACATGCACTTAAGACTAAAACACAGGTTTGGATTAATTTTATTTGCTTCCTTTTTCCG CTTTTCTTCCCGCAGA GCCTGATGGGAGAATGTCCAGGGCAGGGAAACCACATTTTTTGTAGGTGATAACTCAATGAA AATTGGTGCTTATTTTTT ACACTTCTCTTGTGGCTCTCTTGTGGGGCTATCTATCTGTTTTAAGGTCTCCTTGAAGGCG CACTGGGGACCCTGGCC **ATGCC** >MPM2000-002P8_breast_Table1_36 **ATAATTAACCTTAA** ATTTATTTTAAAAATAAATTATGGTCATGAAAAACAATATGGCTTAAAATTGAAATTTCATAGA CATGTAATTTTATTC CCTAAAAATGAAATAAGATGAACCTTATGGGTAATAATGGGATTTTTAATACTTATTGAGGCTA **TAGACAGTCTTTTTTA** TGTCTCAATGCATACCATG >MPM2000-002P8_breast_Table1_37 TTTTTTTTTTTTTTTTTTTTGGAGAGACTCCATTTTATTATGGAAAGTTAAAAAACAAA CAAATCAAAACAGG >MPM2000-002P8_breast_Table1_38 ACAGAAACCTTCAGAGAGGATAAATAGCTTGCCCTGTAGAAGCAGGACTGAAACCCTTGTCC **GCCTGACTCCCCCAGCTA** CTCTGCCCACTGTAGCCCCTGCCTTACTGTCCTGGCACACCCCTCACCATTCTGTATACCT TAAATATCAAAGAGGGCA TGAGAGAAAGGCTTTAAAGATAAGTTATTTTTTTAAGGAACCTTAATATTATTTTAAGAAGT **AACCAAATTAGTGACG** TGAAATACAAAA >MPM2000-002P8_breast_Table1_39 CCGGGCAGGTACACATGCATGCATACACACCCATACAAACATCTGTGTGAGGGCAGTTCTG

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GAGATGAGCAGAGAGAC

TTTGCAGAAACTGCTAA GACCAAGTGTGGAGATGTCAAGCTAGTTCACACTCTGAGGCTCAGAATATGTAGGACATGCA CAATTGTGCAGTCCTTTG **GGATTGGAAGTGAAACAGTCTGTGATCCCCTACCTTCTAGGGAACTAGGACCTAGGAAGAG GTAAAGATTATCAGGTATG** CAAAGCGCCCCAATTCTTTTGCTGTCATGGGGGATTTTACCCCAACTTCAGGGTTCGAG >MPM2000-002P8_breast_Table1_40 ACGCGGAACACCCATGGCAGTGGGATATATCCCGGAAACCCACAGGATGAGAAAAGCTT **GGCGCAGATGTGATAGAGG** TGGCTTTTGGGCAGATGATGATTATTCTCGCTGTCAGTATGCAAATGATGTCACTAGAGTTCT TTATATGTTTAATCAGA TGCCCCTCAATCTTACCAATGCCGTGGCAACAGCTCGACAGTTACTGGCTTACACTGTGGAA **GCAGCCAACTTTTCTGAC** AAAATGGATGTTATATTTGTGGCAGAAATGATTGAAAAATTTGGAAGATTTACCAAGGAGGAA **AAATCAAAAGAGCTAGG** TGACGTGATGGTTGACATTGCAAGTAACATCATGTTGGCTGATGAACGTGTCCTGTGGCTGG CGCAGAGGGAAGCTTAAG TCACCGTTATTCAACATAT **TCACC** >MPM2000-002P8 breast Table1 41 GGAAAGCTGGTGCTGCTGCTGATTCCCGCCGACAGACCTTGGGACCGGGGCCAACA CTGGCAGCTGGAGATGGCGG **ACACGAGATCCGTGCACGAGACTAGGTTTGA** >MPM2000-002P8_breast_Table1_42 ACCCTTTGCCTCCTTTTGTGGGGAGATATCTGGAAAATAGCTGAACAAACTCTACATGTGGC **AAAACAAAGTGACAGTTG** TTATAAAATGTCCACTAAAATTACCTGCTAGCATTACTACGTATAACTGAAGTTTTTGCATATC **CGCATAAGAAGAAATC** CACATTACAAGGAAAAGTAC >MPM2000-002P8 breast Table1_43 AACTTCGGCGCCACCCAATCGCTCACCTGGAACGGCTTGCGGATCAACCGTTGCTGCGATG **CCAGATCCACTTTGTCCTG** CAACTTGGCGAGGAACACCGGGTCGAGGGTCGACGGGAAAATCTCGCTGAGTTTCTGGTCT TTCAAATCATTGGTCAGGA TCACCGGTGGATAACTCGCCAGCCCCGACACCAACTGGATGTAGGCCTGCTTGTTGTTGTC **ATCGGTCAGCCATTGCACC** GCTTGCTGCTGCGCCTTGAGCAACGTGGCCACGGCTTCAGGATGCTCATCGACAAACTTGC CGCTGCCCACCAGCACACT **CTGGATACT** >MPM2000-002P8_breast_Table1_44 GTCACTTCTACGCATAAACTAGATATAGCTTTTGGTGTTTTGAGTGTTCATCAGGGTGGGACC CCATTCCAGTCCAATTTT CCTAAGTTTCTTTGAGGGTTCCATGGGAGCAAATATCTAAATAATGGCCTGGTAGGTCTGGA TTTTCAAAGATTGTTGGC AGTTTCCTCCTCCAACAGTTTTACCTCGGGATGGCTGGTTAGTGCATGTCACATGACATCC **ACATGCACATGTATTCTG** TTGGCCAGCACGTTCTCCAGACTCTAGATGTTTAGATGAGGTTGAGCTATGATATGTGCTTG **TGTGTATGTCTATGTGTA** TATATTATATACATTAGACACACATATACATTATTTCTGTATATAGATGTCTGTGTATACATA **TGTATGTGTGAGTGT** ATGTATACACACACACACACACACACACTTTTGCAAGAGTGATGGGAAAGACCCTAGGTG **CTCATAACTAGA** >MPM2000-002P8_breast_Table1_45

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Table 5

ACTAAGAAGACTAAAGACAGTTATCTTATAATAAGAAATATAGTATAAATAGCACCTTATCAAG **AATTCTGCAGGGGTTT** TAACACTTACAATAATAGGAAATAGCCATTAAAAAGTTGCTCTAACTTTAGATTTCTAACTTTA **GTGTTCTTTAACAAAG** GCCATATTTTGTGGCCTTAAAAACAAAAATTATATCTGGCTTTATCTATTAGTAAACACAAAG **GGTCCATATTTTATTC TATTTTCTGATGCCA** CAAGCTTACTAGAAAATTACTTCTAAAAATTGGTAATAAATCATCAATGATTTACCTACTTTA **AAAAAGAGGGGTATC** TTGTTCTCTTACATTTAATAACCTGAAAATGAGTCTATAAAAATATTTTTAAAAA >MPM2000-002P8_breast_Table1_46 ACAGCACTAGAATAATGCTGTGTCCTCCTGTTACACATACTCATGGTCTCTCCTACTCTCCCT **TCATCACACCTGTGACA** TCTTGCAATTTATATTTGATTGTGTCATTATCTAATGTATTCCTCCTGGACTCTAAGCTCCAAA TGAACAAATGCTTTGT CTACTTTGCCATAACTGTGTCCCCAGTGCTTGGCATGGGACCTGGTGCAGAGTAAATACATC ATAAATATTTTGTGAATG AATGAATGAATGACCATGATTAATAAAAGGATATAGCTGCTCAGTCTGGTGCTGATAAT **GGTGGTAGTGATCAAAA** GGGTTAAACCACAGGTCATTAAATGAAAACAGCTAACTTAGTGCTTACAGGAACCATACACT **CCCTGTGTATAAACATGC** CGGTGTGTGTGT >MPM2000-002P8_breast_Table1_47 AGCCTACAAAGAAATGCCTTCAGTCTCTGGTAGCCCCGATGTTTGGAATGAAATTAACACGA TTCTACCTTAAAAGAGAA AACTTATGTGGGCTTTGCAAATTGTGAAAATTTGTTCCCTCTTATAAAATATAATCTTTCCCCT **GCTGCTGGTTTATTAA** TTTGGGCATATAGCCCAGAGCCCTTATTAAGAAAAA >MPM2000-002P8_breast_Table1_48 ACAAGAGAACAAATTAAAATTGAAAAATTGATTTCACTTAGAAAAACTTCTAGGAACAGGGTG **AACCACTGATTITAATT** TGCCTAATTATCTTATGACAAGTATCAAATTAAGATGACACTTAAAGATCCTTAGCATTAACTT AATGATGGAGAAGAGT GCTCAACAGACAGTTCCCAGTAAGGTAATGAGATGCCATTTTCAGAGACATTCTAAGAAGAT ATTTTGATTCATTAAAAC ATTAAATAAAAAGCCCTCCTCAGATTGGAACCCCCAAATCGATGGAGCCACATTAATAATACT TTTCATGCCTCACTTTG ACATGACAGCATTCGATTTTTTTAAAGATCTTTAATACTTTCCATGAGT >MPM2000-002P8 breast Table1_49 GCGGCCGCCGGGCAGGTTCGAGAAAAGAGCTAGGGTAGGCAACTTAAACTTACACAGTG CCAGTCTCAGGAGGTCAGTA **TAATGACTATTTTGAAC** ATGGCTCTTTTGCTGCTGCCTATATATAAATTTTTTATTAATTTTCTTGTATTGGGAAGATCTT GAATACGCTCCAGGAT GAGAAGAAAAATACGCTGACACTGCTAAATCGGGTATATGTTTTTGCAATAAAGAACACTG **GTCAATATACAACTGAGG** AAAAACTGAAACAGATGTGAGTCCTAGAACCACAAGAGTTTGAATTTGCCCAGAAATGCTATT TTAAACACTCTATATGT TGGTCTGCTGTTTTTTGTGGAATAATGCATTCTTGGCATCCTTAAAAGGTTTCAATATGTTACA AGGTTATCCGGAAAGA **GAAAAAG** >MPM2000-002P8_breast_Table1_50 ACCCTCTGTCTTCTGGACCAGTCAGTCTATGAGCTCTTCTTTGAAACAGTCTTAGACCCAGAA

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TGGTCATCTCACCCCCA

GAAGACATGGTTTCCAAGGGTGGGAGGTGTTAGTTATGGGTGCCGAGCCCCACTTCCTGGG CGACAAGGCAAAGGTCAAT TTCTCCCTGCTTCAAGAATGAAGAGGGAACTGGTGCTCCTTGAACCAAAGATTCTTGGAAGG **GTCATTGTCACCAAAGTG** GCTGGTGTGGGCAGGAGCACCAAGTGCAGACAAACCCACCGGGGCCTGGCGGGGCAGCC **CTGTCATGGTTTCTGTCTTTG** TTCCTGTTAGTGAAACAGAAGACCCCCGACCCCGCCACCTAGCAGCATGGAACACCTGCT GCCCAGATACAGACAAGGC TCTGCTTTGTCTCCTTGTGCTGGTTTTTTGGCAGAGGCGTTAAAGGGCCTGAAGGCCTGTGGGA **CAGAAATGGG** >MPM2000-002P8_breast_Table1_51 ACTCATATAGTTACATCCCTATATAAAAAGTATGTTTACATTTAAAAAAATTAGTAGATAACTTCC TTTCTTTCAAGTGCA **TCCTGTCTGATATTTCT** TGAGGCTGCCCTCTATCATTTTATCTTTCCCATGGGCAGAGATGTTGTAAGTGGGATTCTTAA **TATCACCATTCTTGGGA** CTGGTATACATAAGGCAGCCGTGAAACTGGAAAGTCATTTTGATGACTGATGTGATACATCC **AGAGGTAAAATGCATTTA** CCCCCCAAACCACAA CTGTCTCTCAAATAGCTTAAAAAAATTGAAAAACATTTT >MPM2000-002P8_breast_Table1_52 ACCAGGAATTTACTTGACCATTCCCCTTATTTTTCATCTAGAGGAATCTCGGATTCAGCCCTT **TCATTGCTAAGACACCT** TTTCACTGAGGTTCTTACCAGCTCAGCCAAATCTCCACTCTGCTATAGCAGAAGCAATAATGT TTGCTTTAAAAAGATTT CTTGACCTATGCCTTTTTTTAGAAA >MPM2000-002P8_breast_Table1_53 ACCATCCCATGTGGAATCTGTGAGTGTCCTCTTAAGTAGCGTGGGCTAGCCAATCTGCCGTT CATGGTGTATTGTAAACT CCGAATTCCATATGTAATAGGATGCAAGTCTAAGCGTTTCATGTGGACATAAATGTATCTAAA TAAAACTTTCCCTAGCA CTGTGGCTGACCTCACCCTTACTTTATACTTTAGTATGAAACTGATGAGAACTTTGGTAGTG **AGTATITITITITATATA TATACATATATATGT** >MPM2000-002P8 breast Table 1 54 ACCTCACGCGCATAAATTTGCTGCTCCTATTTTTTTTCTGTTTATGTGTTTTTATGGATCTAAG **TTAAATCTTTTGGCAA** TATATAAAAATGTAAATAGTAAACTTTATTTATTAAGAATGTCATCTTTTTTAATTTATATTTACA CAATTGTTCATCTA ATTTATTTTTCTATACAGTTTTAAATACTCAGACATATTTTGCTGTTCATGATATTTTATCCT **GTTCTCATGGATTTG** TTTTCCCATACTGTTTTCTCTGATCTCAATTACAGGTTGGATCTCACAAATAATAATGTCAGAG **ACAGAAATATTTTGCC ACTGTTGATTACTATACTTTAAAGTTCTATATTATGAAAATATATAATAGCTTGT** >MPM2000-002P8_breast_Table1_55 **GATATCTGCAGACA** GGTTATTGATTATAGAGACCCAAGAAAGCAACTCAATAATTGTTCAAAGTTTTCCTCACTGAC **TGCTGGTGTGTAGTTTA** AGAAGCCCCCATTTGTTTGCACTCAGAATGCCTTATCTTCTTTTAATGGAACACTTGATGTGG **AATTTTAAGTCTGAGAA GTGAGGTGCCTTCTGAAGAAGAGATTTTAGAGACTCCCTTCCTCTATAAGTTGGAAATGACC AGAAGTCTTAAGTAGACG**

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ACAGTTAGCTGACTTTGACATTGTANGACGTAATCAGCTTTTAACCAAATTATAGAACTGGTA **AAGGGTAAAGATCAAAT TTGCCAAAAAAATAAAATAT** >MPM2000-002P8_breast_Table1_56 ACGAGAAAAGAGCTAGGGTAGGCAACTAAAACTTACACAGTGCCAGTCTCAGGAAGTCAGT **AGCTCACAGAACTCAACAG** ATAAACTGGATTAAAACTTAAAAGTCTTCTTTCTATTTGAGCCCATAATGACTATTTTGAACAT GGCTCTTTTGCTGCTG CCTATATATAAATTTTTATTAATTTTCTTGTATTGGGAAGATCTTGAATACGCTCCAGGATGA GAAGAAAAAATACGCT GACACTGCTAAATCGGGTATATGTTTTT

>MPM2000-002P8_breast_Table1_57

ACCCCGTTCTGCCTGAGCATTTTTTCCTAAAGGGAAGAATCAATAGTTTCTGACTGTTTTAAC **AGCTGAAAGCTCCAACT**

CCTTGTTCTTAAAGCAACA

GTGCTGTTTGCATTATGAAATGTCTCTGGAGTTCCCCTTTGGAAA

>MPM2000-002P8_breast_Table1_58

ACTGGGAAAATTTATAGAAATCATCTAGTCTTACCCTTCATCTTACATATAAGAAAAATGGTCT TTTCTTCTAATCACAT

TTACAAAATATGATATAAACCTTGACCATGAATGTATGAGCCTAATTAGAGAAAACAGAAAATC **AGCATGTCAGTTTTTCT**

TCATTCAAAATAACATAGTCTT

>MPM2000-002P8_breast_Table1_59

ACTCGTAAAACAAGGATCATCGATGTTGTCTACAATGCATCTAATAACGAGCTGGTTCGTACT TTTAGTAACAGTTCAGA

TGATACTTGTGTCTAT

AGACAAATAAACTCATATTAGATGACAATTGATTTTTTAAAAGTCCAGGTAGAGAAAGGAGCA ATCATTTTGAACTAAAA

TCTTTCTATGTTTTTTGATTACTATTCAACTTGCTATTTTTTAGCAAAAAGCCGAAGTTTCAATA **GTGTTCATCTCAAAT**

CTTATTGCTTTACAACCGTGGT

>MPM2000-002P8_breast_Table1_60

ACAGATAGAGATAATAGAAGACAAAGAGATTAAAAGGAAATAAAAATGCATGATTAAAAACTA **AGAATAAAAAACCTATT**

TTCCCTAGAAGACATA

GAGTGGGATTTGATAACACTGTCTGTTATTTTCTGT

>MPM2000-002P8_breast_Table1_61

AACCTGTTTGGCACC

TTCTGGAAGCTACCAAAAAAATGACACTCCATTGAAGTGCTTAAAAGCTGTTCTCATAAGAAT **TCTACTGGCCTATTGCG**

NAAAAAAAAAAAAAAAAAAAAAGG

>MPM2000-002P8_breast_Table1_62

ACATTTTTGAAAAGCACAATAACTTGTATTTTTTGCACTTAACACAATGAACCTTTAGTTTCCA **ACCAGTTTTCATTCTC**

TGCAGACCCGGGCTTTATTTTTATAAAAACTGCTTTCAAAAGGCATAGAGACACCACACATG **GTCCACAGTAAATTCAAA**

TAGAGAGGTGCAATAGTTGCAGTGGTAAACACACAAAAAAATACATTTTTTTGGACTAAAAAT **CTGGTCACGGATAAAAG**

CATGTGCCTTTTCATTCTTCTCTGGGATGTTACAACAGCAACACGCTCTAAAACAATTAAGTT **ACATGCATAATGCTAAA**

AGAATGTGAGCAATCCTATAACCAGCTTTAAGCCATCTG

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ACCATTTCACAAACTCTGAAATTGGGTTCCATATTGGCAAGGCTGCCACAGTTGTTAAGAATA **ATCCTCTATGTTTCTTC** CTCACAAAACCATATCTCATTTATATCCAGACCATTACTTCACTATAATTACAAGGACAAATTA **TTAGCAAGAAATAAGA** ATAGTATTAGAAGAATTGATCCTATTTTGAACCCCTCTCCAGTATCTTCACACTCTTGTCAACT CTCCAGGCCTCTCTCT TGCCCTGAGTTATCAGCCTGTGTGTGTTAACTACCTTAGAAGGT >MPM2000-002P8_breast_Table1_64 ATCCTGAAGACCTCCTTTTTGGGCACCGGACGCCAGGTGTTCTACAAGTATGGGAAACTCTC CAAGTTATCAGAGATTGT CTACGACAGTACCGCCGTCACCTTCGGGTATGACGAGACCACTGGTGTCTTGAAGATGGTC **AACCTCCAAAGTGGGGGCT** TCTCCTGCACCATCAGGTACCGGAAGATTGGCCCCCTGGTGGACAAGCAGATCTACAGGTT **CTCCGAGGAAGGCATGGTC** AATGCCAGGTTTGACTACACCTATCATGACAACAGCTTCCGCATCGCAAGCATCAAGCCCGT CATAAGTGAGACTCCCCT CCCCGTTGACCTCTACCGCTATGATGAGATTTCTGGCAAGGTGGAACACTTTGGTAAGTTTG GAGTCATCTATTATGACA TCAACCAGATTA >MPM2000-002P8_breast_Table1_65 ACATGAGGTGTGGTGCCTATAAGCCAGGGTCGGAAACTTTCCAGACAAACCTAGATAGCTCT ACTAGGAGGGAGTCAACG ACCTATTGTGTCAATTAGATCCCAGCCTGGACAAGGGCATGACTATTGCTGTTTGGGGACAC **GTGGCTCTGTGTTGAAGG** CAATGACTGTGTGGCTGTTGCCATGTGGCCTGTTCTCCCCTAAGCCCTGAACCAAAGGTTCC AGGCCCAGATGAG >MPM2000-002P8_breast_Table1_66 ACGTGGAGTCGCAGCTGCAGCGCACAGAGACTGGAGCGACGGAGACCGTCACGCCCTCAG AGGCCCCGGTGCTGGCAGCT GAGCCCGAGGCTGACAAGGGCACTGTGTTGGCACTCACTGAAAATAACTTCGATGACACCA TTGCAGAAGGAATAACCTT CATCAAGTTTTATGCTCCATGGTGTGGTCATTGTAAGACTCTGGCTCCTACTTGGGAGGAAC **TCTCTAAAAAGGAATTCC** CTGGTCTGGCGGGGGTCAAGATCGCCGAAGTAGACTGCACTGCTGAACGGAATATCTGCAG CAAGTATTCGGT >MPM2000-002P8_breast_Table1_67 TTTTTGTTCAATACATTTTAGATTAGGATTGACAAGTAAAGATACTGCTATGGAATGATACATT **GTATTTTCTGCATTGT** GTGAAATAGTTTTTATTGAAAGTCAAGTGACATTTCAAAAGAAGTTCTATAACAATTATGTTTC **ATGCTTAAAGTAAAAA** TTCCCAGAGTTTAGTTTAGAAAATGTAATCTTTTAAATTTCAGACTGATATATTCCCAGTATTTT CATAATGCCATGTTT **TGATAAAGTACCTGC** >MPM2000-002P8_breast_Table1_68 **ATAAAAATTGTGCAAG** ATCAAGCATCAGCTTTCTATTTTAAAAGCCTTAATTTAAAAAAACTTAGATAGGCTCACTGCAG TTCCTTTAAAGGAATA TCTACCACCACAAAAGCA GCACCAGGATCTGGAGGAGT >MPM2000-002P8_breast_Table1_69 CCAGGGGTAAAAAAACCCTTGTGAATCCTGCACACATCCCTTCCTGTGTTGGTGTTTCCTTT **AGACTGGCCTAGCCTGG GCATCACTGTAAAGTATGTGCAGTTGGTCTCTGT** >MPM2000-002P8 breast_Table1 70

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ACAAAAATACCAGTGCTTGTTATACTAGTTACTAAAAGAAGAAGAAACTCAAAATTCCTATCT **GCGTGCTAATTTGAAAA** GAACAACGTAGATAGATTTGTTGGCACATATATATGGCATATTCACATATGGCATATATACAT **ATGGGGAGAAAACATGA** ACCAAAGGCCAATTCAGTTATGGGAGCTCATCTCCTTCCATCTCTCCTAATCAAGAGCAAAG GGAACAGCAGGCCTAACA GCAGGGTTGGGAAGGCAAAAGGACTGGCACTGAACT >MPM2000-002P8_breast_Table1_71 GTGCTATAGACGCACAAACGACCGCGAGCCACAAATCAAGCACACATATCAAAAAAACAAATG **AGCTCTTATTTTGTAAAC** TCATTTTGCGGTCGCTATCCAAATGGCCCGGACTACCAGTTGCATAATTATGGAGATCATAG TTCCGTGAGCGAGCAATT CAGGGACTCGGCGAGCATGCACTCCGGCAGGT >MPM2000-002P8_breast_Table1_72 ACCCCTGCTGCTGGCTGGGTTCTCAGCCCCTGACCATGAAATGGTTCCACATCGATCTACA GAAAAAACAGCCACTTTGG CCGTGGGCCCTGACGCGTAATATCATTATGGAGTCAGCAGCGCATCCCGTCCCATTATCGC **CTGGCCAAGCTTTTCCAAG** GCCAGCCTGGCTGCAAATGGCTTTCTCCTGTCTAGGGGGGCCACAGCCACTGTTTGCCCTC CACTACCGGAGGAGAAATT TTATCTTTAATTGACACTGGCTGCCTGCCACCCCCTTGCCTCGGCTGGCCCAGGCTCCAAG CCCGATCTTTCCTTACACT TCAGGAACAGGCTTTCCCTGGCTTCTTCCCTCTCCTC >MPM2000-002P8_breast_Table1_73 GCCTGCCCTGAGCCGGGA GGAGCTGGAAGCACTCTTCCTCCCCTATGACCTGAAGCGGCTGGAGATGTATTCACGGAAT **ATGGTGGACTATCACCTCA** TCATGGACATGATCCCGGCCATCTCTCGCATCTATTTCCTGAACCAGCTGGGGGACCTGGC **CCTGTCTGCGGCTCAGTCG** GCTCTTCTCTTGGGGATTGGCCTGCAGCATAAGTCTGTGGACCAGCTGGAAAAGGAGATTG **AGCTGCCCTCGGGCCAGTT** GATGGGACTTTTCAACCCGGATCATCCGCAAAGTTGTGAAGCTATTTAATGAAGTTCAGGAA **AAGGCCATTGAGGAGCAG** ATGGTGGCAGCAAGGATGTGGTCATGGAGCCCACGATGAAGACCCTCAGTGACGACCTAAA **TGAAGCAG** >MPM2000-002P8_breast_Table1_74 ACATAGATCCTGATCTACTGGCAGAGCTCAGCGAAGAACAGAACAGATCCTGTTCTTCAAG **ATGAGAGAGGAACAGATC** CGACGATGGAAAGAAAGAAGCAGCTATGGAAAGAAAGGAGTCCCTGCCAGTGAAACCCA **GACCAAAGAAAGAGAATGG** CAAATCGGTTCATTGGAAACTTGGAGCTGATAAGGAAAGTCTGGGTATGGGTGATG >MPM2000-002P8_breast_Table1_75 **ACTITGTTTCTTTTGGGGAGCATTAGACAGTAACCCTCATGGAGCTAGAGAACCGGATGGGA GACATGAGCAGTAÁTTAA** CTCACTTGTTCCCCAGAGTTTCTATTTGATTGATTATCTTTTTCTGAGACTTATTTTCCTATTTT **CTTTCCTCCATGTAA ATAACTATCCAAATTT GTGGAATATTTATTTGTAATAGCAGATATCAAGTTATGCTTATATAGCATTAAAAATTCTCCTG** CTTTGACTACACACAC AACCACAGTTGTGGGTCTAATCATGGAGATATCAGTAATTTTTAGTAACTGAATTATGAGGAC **ATTTATCTGTTTAGCAT** >MPM2000-002P8_breast_Table1_76

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GGCGGCCGCCGGCCGGGTACGGCGTGGTCAAGGTAACAAGAAGAAAAAAATGTGAGTGG CATCCTGGGATGAGCAGGGG GACAGACCTGGACAGACACGTTGTCATTTGCTGCTGTGGGTAGGAAAATGGGCGTAAAGGA **GGAGAAACAGATACAAAAT** CTCCAACTCAGTATTAAGGTATTCTCATGCCT >MPM2000-002P8_breast_Table1_77 ACTITITITCTCTTTGAAATCTCATAGGATAGTCACACTTATAAACATTCCCAATATTCGGATT CTAGAAGAAATGCAAT TCATTAAAATTTTCCTGGCACTGAGAGTTAATCTTTAGCAGATTGCATGAAAATACTGAATTCC **TGGTAAGGAGATATTT** TGTTTTAAAAATAATGTGTTTTGATACGAATCAGTGTATTAACTGATAACTAAAAAGT >MPM2000-002P8_breast_Table1_78 ACGTTGAACGTTTATTACAACTAATTGGCGATGTGATAAGACAGTGCTCACGTGGCCTGAAT **GTTGGTCACAATCACAAC** AAAGCTTAATCCAGCCCAGCATATATAAGTGAAAATATAAACCATGAAGACATGTTTAGATAT **GTATAAGT** >MPM2000-002P8_breast_Table1_79 CGGTTCTCTTGGTCTTATTCCCATCCTGGCCAATGCTTAAATACTATTTGTTGAAAAATAATTCT TTGAGACAGATTTCAG CTACCTCCCTTCCAGGTTCGATTTAACTTGGTTGTAATTGTCAATTTGTTGTTATAGGTCTTAC CTGTGTGAAAGAAAGA AAAAGAAAGAAAGAAAGAAAGAAAGGAAATTATAAGGTCAAGTTAACAGTTTTGAGGTTTT **GTGTTTTTTCTGGAAC** TACTTCAAGTGAGAAAAAAAAAAAAAAAGCTGT >MPM2000-002P8_breast_Table1_80 **AGTCTATGAAAACAA ATAAATTATATTTCAA** ACAAATATATACACATTATGTTAACCTTCAACAGGATCCATTATCACTACTTAGAACACTGATA TGTTTATCTTTTAAGT ATGTAAAAATTACATAGCTGTTAACTTTGTATGGCAATTCACCTATAACACATTTAAGAAAGCA TTACAAAATTCATTAT ATAATAATTCTACAAAAGTTTTCTCACATTTACCAAAGCCTACTAAA >MPM2000-002P8_breast_Table1_81 ACTITAACTITTGAAGGTGGTTTCTGGTTCCCCCAATCGGTGAGCCCAAAGACCTCAAATAA CATTITATTCACACAGAC TTCTTAGAGATGAAAAGTTTCTAGAGAGCAGAGCCTTTAGGGAACTAGTGATGCATTCA **CTGAATAAATCACAGTAT** TATACTCAAGAGCAAATACGTTTTCTTTCTTATTGGTGTCATCTTTCCTTGTGAAATACGGCAA **CTGATGAAGAAGTCTC** CTATTGAGAATAACCAGACGAAATCACAAGGCTAGACAAGCAGCTACTAACACCATCCCCTT CCCCTGCCCATGGTAAA CCCTGCTGGCAAATGTATTTCTCCCTCCTAAACCTGGGAGGACTCACGTTTCTGCACCCAGA **GCCCCAGGTGGAAGTAAA** CAATGGGAGTGAGCCGATGAGGTGGGATTGCTGTTCCTTGACTCTTAGTGCTTCTCATGCTA **GTCTCCTGGGGATG** >MPM2000-002P8_breast_Table1_82 **ACTGTTCTTATAAAAGATTCTTTCTCCCAGAATTATATCTCCTCAGAGCAACAGCAAGGTTCT** CAGGATCGAAGCCTACT CTAGCCTGAAGGGCTAGGAAGATTAGGATAAGGATAATAATCCAAAAGTCTCGACA **ATTCCAGTAGTCTCTGGA** TGGCTCCAACATCATAGAAATTTAACACTGTTCCACTTGTTTACAAAATCTAACACTGGCTTA GACATTCTGGACTTTCA GTGAGGGTTCCAGCATCTGATGTCCCTCAACTCCTTTCCAGGGTGAGAGGCCCACTTACAG GAAACTTAACTTCTCACCA

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TGTGGACCCATGAGGGTTTTTCTCTTGCAGAAGGGCTAAAAAGTGAGGAGCTATGGAAAAAT **GTTGGGTCACTTTTAAGG** CAGAACTGTTTGGTTGTGGGAATTTTTCCTAACCTAGTTCTACCATCTTGGATTATTCAAT **GTATAGGATAGAGCAGC** >MPM2000-002P8_breast_Table1_83 ACCCTGTGCGTAGGTGGAGCGGTTGAAGCAAGGTGGGTGTGAAGCCCCGAGAGTGGTGCT TTGGTCGGACTGGCACACTC CGGGCAGCTGGGAGAGTGACAGGGAGGCTGAGAAGGGGCCGCTGGATCCCGCAGCTGGC **GCGCACATAGTGTCTGCC** CTGCTTAGGACAGTTCTCTTTGCATCCGTGAGGAGCCAAGACAAGTCACAACTGCAAGTGAG **GGGGTTGCCAAAGAGGTT** TGGAACAGAAGGACCTATA GATGTGGAGTATCTTGAAAGATGGTGTGTGGCGACAGAAGCAAGTGCTGNNGGAGTCCTGA CAGTCCAGCTGCTGCAGGT **GGGGGGTCATCTTGAAAATGTCCCC** >MPM2000-002P8 breast Table1_84 ACCTAACCTACCTTTAAGACTGGGATAACTATTGGAAACAATAGCTAATACCGGATATAGTTA **TTTATCGCATGATGAGT GGGTAATGGCCTACCAAG** ACGATGATGTTTAGCCGGGCCGAGAGGCTGT >MPM2000-002P8_breast_Table1_85 ACTCTTTGAGGACATTTTTGTCAGATTAACTATAACAGTGTAGTGTAGTTTTTAAAATTGCAGT TGAAAAGTTTAGCTGT CTTGGAAGTCAAATTTATCCAATTGTTCAGACTTCTGTTACTACTAATATGAAGCCACCATG **CTGGCTTGGACAGAATT** AATTTCATTCATGTTATGGAGAATTCTATATTACAAATCTGGTCCCCTATAATATGAACAGTGA **GCAGTCAGAAATATAC** AAAGGGTTAAATAGGGTAAAGACTTTGGCCAAGAAAGGAAAGGCCTTAGTTCTACCATAGAG TATCTTCTCTAATTAAAA TGACTGGGAAATATATGGAAGCAGAAACCAGCACAAAGCACTACCCATCTAGAAATAATCTT TTCAGTTAAAAAAACAACT CTCAAAACCAGCACTCATTTCTCTAAGATAGGTTATAAGTATTTTACGATTTCTTGTTATATT >MPM2000-002P8_breast_Table1_86 ACACCAGCCAGCTCCCACCACTCACGGCCTTCATCCTGCCTTCGGGAGGCAAGATCAGCTC GGCGCTGCATTTCTGCCGG GCCGTGTGCCGCCGGGCCGAGAGACGTGTGGTGCCTCTTGTCCAGATGGGAGAGACCGAT **GCGAACGTGGCCAAGTTCTT** AAACAGACTCAGTGACTATCTCTTCACGCTAGCCAGATATGCAGCCATGAAGGAGGGGAATC **AAGAGAAAATATACAAGA AAAATGACCCA** >MPM2000-002P8_breast_Table1_87 ACAGAAGAGGTTCGTGGAAAAGGAATATGCTTAATAACTTCGAAAAAAATACCCATAAATGGA CAAGGGTGTTGGGCCCC CTTTCTGGGTGGATTCAGGGGTAGTCAGATATTCCAGGTTAAACTGAACCTGATGCATCAAT **CTCCTTCTTGGAGGTGTC ACATTCACACTCCTCTGT GCAAACCTTTCTTTGCTCATCTTGGTGAGAAAACACATCCAAGAGT** >MPM2000-002P8_breast_Table1_88 TCTTTTCTTTTTT TTTCTTTTTTACAATAGGCCAGTAGAATTCTTATGAGAACAGCTTTTAAGCACTTCAATGGAGT

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GTCATTTTTTTGGTAG

CAATAATAAAAAGGTA **TAATATGGT** >MPM2000-002P8_breast_Table1_89 GAAAATTTGCGATGGGTT TTCACTGCAACTAGATGAATCAGCTGATGTTTCAGGACTTGCTGTGCTGCTTGTTTTTCG TTATAGGTTTAATAAGT CTATTGAGGAAGACCTACTCCTGTGTGAATCTTTGCAAAGTAATGCTACCGGTGAAGAAATAT **TCAACTGTATCAACAGT** TITATGCAGAAACATGAAATTGAATGGGAAAAATGTGTTGATGTTTGTAGTGATGCTTCTAGG **GCAGTGGATGGGAAAAT** TGCCGAAGCTGTCACCTTAATAAAATATGTGGCTCCCGAAAGCACCAGTAGTCACTGCCTAT **TATACAGACATGCCTGGG** CAGTTAAAATAATGCCTACATCTTAAAAAATGTGCTAGACCAGGCTTTCCTGTACCTGCCGG GC >MPM2000-002P8_breast_Table1_90 ACCGAACAATGACAGGGGAAGGGTATTGGACACGGCAGCGTCCTCCTTATTGAAAACACAT **TATGTCAGTTGGGAATTTT** AAATAAGCTTTTAGCAAACCTAACACTAAAAGCAAAATAGAAGAAAGCTATACCATTACCATA **ATACATTTTTCATCTCA** TGGCTACAATGGAATTCTTGAAAAGGAAAAAAAAATCCTATCTACATATAAAAACCTGCATGA **ATGAATCACTACATATG** CTTATAATGAGGAAGAGTTATGGGTCCTGAGTGTAATTTTTTATCCTTTCTTAAAAAGTTTCTG TATTATGCATTTTGAT **AACACTACTGATGATCCTTCCACTTACATTTGAAATGTTATGT** >MPM2000-002P8_breast_Table1_91 **GGCTATTGAACTTCCTTTTCTTGTTTGAAGTTAGCTTCAAATTTGTTCCTATCCAGAATATTTA** CAGGTAATTTAGCATA GGAGCAAATTACCTGTAAATATTCTGGATAGGAACTACTTGAAATAGTAATTTGTTAAAAGAT **ATGACAAAATGAAAATG** CTTAAACTACAGAAATTTAAAAATGCCATAACAATCTTGCGAGACTAACTTTAAAATATACTTT **AAATGATTATTATGAT** TTTGGTGGTAACGATCCCCCACACACACCACTATGAAGAAATAATGCCGCATTTTTCCCCC >MPM2000-002P8_breast_Table1_92 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT **CCCTTGAGCTGGTTTTCT** CTGATGGCACTTTTGAGCTCCTAAGCTGCCAGCCTTCCCTTCTTTTCCTGGGTGCTCAGGGC **ATGCTTATTAGCAGCTGG** GTTGGTATTGGAGTTGGCAGACAGGATGTTCAACTTAATGAAGAAATACAGCTAAGGCCTTG **CCAGCAACA** >MPM2000-002P8_breast_Table1_93 ACTGGATGGACGATACTGGCTACAGCGAGAAAGCAACCTTTGCCTCAGTGACATATCCTCG **GGGCTATCCCTACAACGGG** ACAAACTATGTGAATGTCACCATGCACCTCCGAAGTCCCATCACCAGGGCAGCTTACCTCTT CATAGGGCCATCTATAGA TGTTCAGAGCTTCACTGTCCACGGAGACTCTCAGCAACTGGATGTGTTCATAGCCACCAGCA **AACATGCCTACGCCACAT** ACCTGTGGACAGGTGAGGCCACAGGACAGTCTGCCTTTGCACAGGTCATTGGCTGGATCGT CACAAAATTTCTGTTTGGA CCGGAATTCAGCCATCAAGAGCAGCATTGTCCCTGAGGTGAAGGACTATGCTGCTATT

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>MPM2000-002P8 breast Table1 94 ACTTGCTGAAATTGAGACTCTTCTCCCTTTTGAGCAGAGGTCATTTTCTCTTGACATTGAATT CCAGTATTTGTGCAGAA AAGAGGTGTCAATGAGGACTCCATGGATACTTTCAGTTGATCAGTATTGGCTCTGCTGCAGG **GTGATTTTGGCTTCACAC** ATAAATGTTGCAGTGGCATTTGTCCAGGGGAAAGCCCGCTTGGAGGCTGTAGGATGACCCT GATGGAGGCTGTCACTCAA ACAGCTCCAGGTAGTCAGGCAGCTGGTCCTGCTGACCACAGGGATAGAGAAGGAGCTCCTT **CCCCAGGGAAGTGATGGGT** TCCTCCTTGTGATATTCCACCAAATCCGCCAAGGTGGCATGCTG >MPM2000-002P8_breast_Table1_95 ACCAGAAACCCACCTCACCCGGCTCACATCTAAAGGGGCGGGGCCGTGGTCTGGTTCTGA CTTTGTGTTTTTTGTGCCCT CCTGGGGACCAGAATCTCCTTTCGGAATGAATGTTCATGGAAGAGGCTCCTCTGAGGGCAA GAGACCTGTTTTAGTGCTG CATTCGACATGGAAAAGTCCTTTTAACCTGTGCTTGCATCCTCCTTTCCTCCTCCTCCTCACA **ATCCATCTCTTCTTAAG** CATGATGCAAATGTTTT TCATTTTGTGAAGACCCTCCAGACTCTGGGAGAGGCTGGTGTGGGCAAGGACAAGCAGGAT **AGTGGAGTGAGAAGGA** >MPM2000-002P8_breast_Table1_96 ACCTAACCTACCTTTAAGACTGGGATAACGTATTGGAAACAATAGCTAATACCGGATATAGTT **ATTTATCGCATGATGAG** TAATAGAAAGGAGCTTCACAGCTTCACTTAAAAATGGGGGTGCGGAACATTACTTAGTTGGT **AGGGTAATGGCCTACCAA** GACGATGATGGTTAGCCGGGCCGAGAGGCTGT >MPM2000-002P8_breast_Table1_97 ATGTTCCGCACCCCCATT **TAGCTATTGTTTCCAA TAGTTATCCCAGTCTTAAAGGTAGGTTAGGT** >MPM2000-002P8_breast_Table1_98 CGAATTGGAGCTCCACGCGGTGGCGGCCGAGGTACCTGCCCATCCACATGCCTTTTCCATG **TATACTGGAACTGAGCATA** GACCTCTTCCCAGGCAGAGCTGACAGCAAGTAAAGGAGATCATAATCATGGGGACCAAACA ACTTTGACTAAAGTGTGAA TGTCACCTAAGGAGATGCTGTGAGATCAGAAGGGTGGGGCAGAGGAGCACCATGAG GGAGAGTCCTTGGGGGT >MPM2000-002P8_breast_Table1_99 GGGGAACACCCCCNGNGGCGGCCGANGCCAANANCTTTTTGNGGGGGGAGGNAAACCCCA **CCCCCCAGACAAAACNGNC** nnnnnnnnnnnnnnn CANGGNCANAGAAG NNCCCCGNGNGAAAGGGGGANCCGNNCACAANNNCACACAACACACGAGCCGGGAGCA NAAA >MPM2000-002P8_breast_Table1_100 CACATGGAAGACGCTATTCCAGGATCTTTAAATTTCCATGGATGCATATAGGATGTTTTGGGA **GCATAATCCGNGAAG** >MPM2000-002P8_breast_Table1_101 ACCTTTTGTTGGTTTTGATAATCCTTTAACAAGCTTAGATTTATTATTGTGCCTTTTATGGAAG

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ATGAGGAAGAAATAGG

AGATACTACTCCCTAAT TCTTTAAGNGTTAAGTGGCAATAATGATCAAATGTTGTAAAGGGGATTGTTACTACAGCTAAT **ATGAAACGGGAGGCTGG** ACTAAATCTAACCTTTCTACCCTTGATTTCAATTCTAAAAGGACACCGTATACCATTGCAGAAA >MPM2000-002P8_breast_Table1_102 AGGTACAAGGGATTTTAACCNTTNNNCANAAANCCCANNNGTGAATGCTTNGCCATACTTGC TTTAAGGTGTTATGGTNG GCACAGTTTACTGGCTTCGCCTGTTAAATTTACAAATGTCCTGTTTGATACTACTTGTTAGAA CACTATTTTTTAAATA CAGAAAAAGCTNCCTATAATGGCAACTTTCAGANGAAATTTAAAAAAATNCACAGGAGGTATTT TATTTACCCAATGGCTT GCCAGGGTTCCCTGGC >MPM2000-002P8_breast_Table1_103 ACAGTTGGATTGACTACAAAAAAAATTAGGCCTTGTCCATTTATCCAGAGGTTTCCTTCAAA ACTTITAAAAAATTITA TCACCTAAAATGGATTTTAAATTATCAGAATTTAGATGTAGCAATTAAGTAAATCTTAAAGGAG **GTGTAGAATTCCTTTA** AGAAGTTATTGTCTGCTTCCCATTGCAGCAATGTCTGCAATACTACTTTTTTTAATGAGCCCA GAAACAATTCTCTGCAA CTGTAAAAATTATGCCAGAATGCAAGTTTTTGGTTAGTGCCATAGTTTCGTTTTGTTATTGAAA **ATGGGATAAGTCATGA** TITATTCCCTCCCTTCTATGGAA >MPM2000-002P8_breast_Table1_104 ACTTTTACCATAGAATCTACTAGAACTCTCTGCTATTCAAAACAAAGAGCTCATACTTGTTGG **AGTAGGGAAAAAATTAG** AAATTTGACCAAAAGATAGATTCAATCAACTACAAAGTCAATTCCAAGATGCTGATAACATCG AAACTCTTGAAAAAGAA CTATTAGAATCTGGAGTTGAACTTTAATGGATCATATACCTGTTTTGCTTGATCAAGTGATTGA TCAGCTTAATATTAAA GAAGATGGTATCTATTTAGATCTTACTTTAGGACGTGGTGGTCATTCGAGTCAAATTTTAAAA **AAACTTACTAGTGGCAA GCTTATAGTCTTTGATAAAGAC** >MPM2000-002P8 breast_Table1_105 **ACCNTTTTGCCATGTCAGTTATGACTCCAATTTTCTGTGTGCAAGAGCAATCACACGGAAGC CCTGTTTAGTGAAGTCTT** CCAAAACGTTTTGAAAATCGACAGGAACTGTTTCAGGTTTACAGAGACCGGCAATGGCCTCG **GGCGCTCCTTTCATGTAG** GCTTTCATTTTCCTATCCCCCAGCACCCTGGCAACCACCACTCATACGTTGCAAAGCAGAAGA **AAATGGGAACTGGCGAAC** AATTCCTATCTCATAAGTAGCTGGAAGTTCAAACAGCTCCATTTCTTGGTTTCCTGCAGGGGT **AGATTCAGGAAGCAGTT** GTTTGGGAGGACGAACCACTGTGGGCAT >MPM2000-002P8_breast_Table1_106 AAAAAACAATTAGTAGATACTAAACTACTATTTATTCTTGCCGGTATGGGCGGAGCAACAGG GACTGGAGCTTCACATAT TTTTGCAAAAGTAGCCAAAACTCTGAAATCTTTAACTATAGCTATTGCTATCCAACCTTTTGAT **TTTGAAGATAGTAAAA** GGCTTTCAAGAGCTTCTGAAGGAATTAAAAAACTACAAGAAAATTCAGACGCGCTAATTGTAG TTTCCAATTCTAAAATC GCGGAGCTATACAACGGCATAAGTATTTCAGATTCTTTTACAAAAGCTAATCAAATTATTTTTG **ATATTATTTAAACTAT TATTGATTTAATTAGTAAACAAGC** >MPM2000-002P8_breast_Table1_107

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NNNAANCTCNCCCNCCAAACCNNNCCCGGGNNNNNNNNNGGGGGGGNTTTTNTTGGGGGGA NGGGGNNNNNNCCCNGNNNN NNNNGGCCGCCCGGGCAGGTACATTCNCAAGGGTTGGAACCCAAGCCCCACCCTGGGTTT **TCTTAAGTTCATTATTCCCC** CACCCAGNAATTCCCTTGGGAGTTCCTTGGCCAGAAGCCATCAGAGACAGCAGGCGAAAA **GCAGGGCTTAACTGAATNC** CATATTGGGG >MPM2000-002P8_breast_Table1_108 ACATCCCGAAAGACAGCAAAAAGAAGAAGAAGCACGAGCTGAAGATTACTCAGCAGGGCACGGA CCCGCTTGTTCTCGCCGTC CAGAGCAAGGAACAGGCCGAGCAGTGGCTGAAGGTGATCAAAGAAGCCTACAGTGGTTGTA **GTGGCCCCGTGGATTCAGA** GTGTCCTCCTCACCAAGCTCCCCGGTGCACAAGGCAGAACTGGAGAAGAACTGTCTTCA GAGAGACCCAGCTCAGATG GGGAGGGTGTTGTGGAAAATGGAATTACCACATGTAATGGAAAGGAGCAAGTGAAGAGGAA GAAAAGTTCCAAATCAGAG **GCCAAGGGC** >MPM2000-002P8_breast_Table1_109 **ATGTTCCGCACCCCATT** TAGCTATTGTTTCCAA TAGTTATCCCAGTCTTAAAGGTAGGTTAGGT >MPM2000-002P8_breast_Table1_110 ACCGACCGCTCCGAGATCTGTATGAGTTGGAGGCCAGTGTGAAGGTGTGGGAGGAA TCCGCCCACACCCAGCTTCA TACAGCACCCTGAGGACAATGTGGCTTCCCTGATTCACACCTACTGAGCCAAGGCCCCCTC **TGAAGTTAGGTCAAGAGGG** CCCACCCTAGCCGGGCCAACTCATTCCTTTGAGGACCTGATACTCAATGAACTGCTTACTAC CAAAAAATGCAAAGGAT TCAGCAAAAAGTGCAATTTCCATTTGAGAAGTAAGATTCTCCCCAAAACATGACACCACCTTT **TCATCCTTTCAGT** >MPM2000-002P8_breast_Table1_111 ACTACCATTTAGGAAACTGCTATAACACATAATTTCATGAAGTAACACCTAATACGGTGTAGT **TCCCTGGTCATATTTTA** TACAATTCAACCATATAAAAGGGTGTCACTGTAATTTCAGTAGTGTGGGTTTACAAATAATCT **GCTGGTTAGCTTATTAC** CTTGAGGTTTTGAAAAACTAGAATTATATTGAGGCATTTCATAAACATATCTCTTGCACCCTCT **TCATGGTGGAGTTAAG** GATAACTTGCAGGTGGTTGGCCAAGGCCCAATATAGATGATTATAACATTTAGAATTGGCAAT TAGAAGTTGATAATCCA TATAGGACCATAG >MPM2000-002P8_breast_Table1_112 **ACCCACCTCACATTCTTTAACACTTAAGGTTTTTCTGGGTAGTAAGTGCAATACATTCTTATTA TAAAACAATATGGACA** GTTCAGTATGAAATGAGGATAAAATCAAAATCACCCACAATCTCACCACTTTGTGATAAT **AACCATTAACTTCAATA GCACAAACTTGTATC** CTTTTCTAAATCTTAATATCATAATATTAGCATTTTCTAATGTTAGTAGATGT >MPM2000-002P8_breast_Table1_113 ACTATGAGTTGCCACCATGTCATGCAACATAACATATTGCTTTCTAATGGAATATAGTGAGCT TACGATTGATACTATGG ACATAACCACAATAGCTAGAGCATAGTAATAGTATTCATCAGTGCTCCACAGTATAACACTGA

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ACAGCTGGAAAATGTAA

AATGGGTTGAGAACCTCTTTAATTAGAAGCTTAAAAACAGAAGGCACTTTTACAGCAATTTCA TTTACTCCATAAAGCAG TTTTCTGTAGGCATGCATCCCCTTTGTCAGTCCTGCACTATGCTTTTCATAAATTGACGT >MPM2000-002P8_breast_Table1_114 ACTGCACTGGTCATTGATAAAGATGTATTCAAAGGCTCACTTAAAGACTTCGAATACAAGCTG **ATGGGAATCTGATTACT CCCCAAACTGCACATTTA** ATCCTGTGACATCTGCTGAACCAGGCATTTCCACTGCAGAAGCTGGGATCTTAGAAGCTGG **GGGTATCCGCCGCTTAGCA** AGTTTGATGTTTTGGGCTGTGGCTGGTGGACAGACACAGAGATATTTTCAATGGTCGTGCT GGGAAGCTGCAAAAGCTT **GTTCACAGTGGAGGGACTGTCT** >MPM2000-002P8_breast_Table1_115 **ACCTGGTTCTACAGATGGTTCTCATGCACAAAATTTCAGAACCACATTGTAGAAAAGTAAAGC AGTATGACATGCTTTGG** AAACTGCAGATAATTTAGTGCAACTGTATTACAGGTTACAGATAATAAGAGATGAATCTGGAA **AAGAAAAGAATGTTATG** ĠΤ >MPM2000-002P8_breast_Table1_116 TTTTTTCACTGTCGTATTGTTTATGGAAGAAGAGATTAGAGGACAATACAAGTAGCCACAGC **TATGATGCATGGAATAC** TACAGAATATGGTGAAATGCTATGTAAGGGCTAGAAACAATTCATTAGGTGTACCTGCCCGG GCGGCCGCCGGACAGGT ACATGCATATCGCCTGTGGTAGCTCATAGTCACAGGATGTGTCTTCAAGACAGAAACTTGCT TTGTGGCCCTCAGCCACT CTCCTGTGGGTGTTGGCATCAAGCAGGTCATAGAGCCTAAACTCATCCATACTGTGGTAATG TTGATGACAACTGT >MPM2000-002P8_breast_Table1_117 ACCTAACCTACCTTTAAGACTGGGATAACTATTGGAAACAATAGCTAATACCGGATATAGTTA TTTATCGCATGATGAGT **GGGTAATGGCCTACCAAG** ACGATGATGTTTAGCCGGCCCGAGAGGCTGT >MPM2000-002P8_breast_Table1_118 ACCAACTTCCTTATTTCACAAATTTAAGTTTGGTTTATATATTTTTTGACATGGTTACTCAATG TCCACATCATTCCAT CTGCATCGTCTTCCTACAAACAGTTTTTCTTCTACTATTCGGTTATTTCTCCTTTTTTTGTTTCC TATTTCAGAATCAAA TTTATTTTACTTGCAAAGTCAGTGGAATATGGTTTGGAACCAGTAGGGCCTCTAACTTAAGCC CAGAACCTGTCAAAGAG AAGTGCAGTATCATTGCTAAGACTTGAACAGTTTATCTCTCAGAATCTTCAGTTCCTTTGAATT **TCTCAGCTCTTAGTGT** AATCTGTTTTATGTGTTGTTGTAGACTTCCATTATGGATAGATTTCCAAAATAATTTGGGTAA **TCAACTGGTATTTTAG** CATTCTGGTAACTAACATGTTTAAAAATCTAAGGCTCTTTTTCATGCAAAGGAGACTGATTTTT **GCTTTCAAAAGCATAG GCAGG** >MPM2000-002P8_breast_Table1_119 ACAGTAATATCATGAAGCTGCTGTCTGCACTTGTCAATATCCTGTAAGCCAGTAACAATAAAA TTCAGCTTTTGGTTGAG CCCGGCCTGGCTGGGCTGGAAGTCACTGACGATGATGCCGAGCTGCCGAATGTTCTC CACGAACTTCTCCAGGTGCT CCTCTAGGTGGTCAAACTTCTCCGCC >MPM2000-002P8_breast_Table1_120

ACTGGAAGAATTGCCAAGGACAAGTTTTAAAAGACTTTTATGTTCATACAGTAATGACTTG TTATTTTAGTTTATTTG GAATAGACAATATGGCTCCTAGTCCTGGTCATATATTGAGAGTTTTACGGTGGTGTTTTTGCCTT **GGTCTGTTGCTTTGGAC** TGGCTCACAGAAAAGCCAGAACTGTTTCAACTAGCACTGAAAGCATTCAGGTATACTCTGAA ACTAATGATTGATAAAGC AAGTTTAGGTCCAATAGAAGACTTTAGAGAACTGATTAAGT >MPM2000-002P8_breast_Table1_121 TGGGTCATTTTTCTTGTATATTTTCTCTTGATTCCCCTCCTTCATGGCTGCATATCTGGCTAGC **GTGAAGAGATAGTCAC** TGAGTCTGTTTAAGAACTTGGCCACGTTCGCATCGGTCTCTCCCATCTGGACAAGAGGCACC **ACACGTCTCTCGGCCCGG** CGGCACACGGCCCGGCAGAAATGCAGCGCCGAGCTGATCTTGCCTCCCGAAGGCAGGATG **AAGGCCGTGAGTGGTGGGAG CTGGCTGGTGT** >MPM2000-002P8_breast_Table1_122 GGTACAGAAATAAAAATTAGCAAACAATTATTCTAGGGATATTTTCAGATTTTACTTCATTTCT TGAAATGCGTGTGCCA TATGCAATTGCATTTCTTGTGCCAAGAAACTAATAGAACTTATTTCACTTTACCTTTTTTTAAAA **TGTGAATTTAGTTAT** TTTCATGCAAAATACC ATAAACTGTTTGATGAAAATTATGCCCCTAATGGAAACTCTCTAGTTTTTCCATATAACTATTC **TACTGTACCT** >MPM2000-002P8_breast_Table1_123 ACAATAAAGTTCACCCACCCTGCACTTTGGCCCTTAGATCAATCCTAAGTAGCCATTGCCAG **TAGGCCAAGTTTAATCAG GATGAACAGCTAATACA** GAGGTCATATCCCTTACA TCTCTACCAGGTATTAACACCTAACTACTCTCTAGCCAGAGGCAATTCCCTTATTTCCTTAC TCTCGTCGTCTTCTCTT TAGCCCAATCTCCTGACAATAGTTAAAACAAAAAGACCCCCAAAATATCTCTTGCTAAAACAG **AGTAGTCCCTAAACTCT** CTCATCTTAGACTACTGTCAGGT >MPM2000-002P8_breast_Table1_124 ACAAAGCACTGGAATTGGGGAAATAGCAGGGTGTTTCCCCCACAATTAGAAGCAGTGTTGCT TITCATTITCCTTTTACT GATTAGCACTAAGTAGACATTAACCTATATGAATTTTTCAAAAACAGCATTTAGGGTCCACATT **TATTITAATTCTGATC** TTCTCTAATCTAATTGGTGAAACTTATGGTGAAAAAATATGCATAGTTACTTTTGACATAGATT **TGTTTAAGCATGAAAG** CTAGGAATTGATTAAAACCAATACATAATATTTAGTTNTGTGTTACTTAGTTTCTTTGTAATAGT **GTGTAGAATCATGTG AATTACT** >MPM2000-002P8_breast_Table1_125 CTAGTTTAGTTTATTTCTAGTTCAAAAATAATCTGTAATTGCTGTAAGAAATGTCAACCACTTA

CCTAGGATGTTTGACA

ATTGGGATGAAGTCTACATATACTAAGTAATGGCAAGACAATTATTTTATTGCTCAAAAGAAA GTCAAAAAAAATTCCATA

TTCCCTTTGGGGAAAATTGGCAGGATTTCAAGTATGACCTTTAAGAATCAGGAAAAGACTAAC TTATGCTTTAGGATTAA

AACAATCAAATTAAATTAGTTCAATTTTCTAACATAGTCTCTATCTTCAGTTAAAGTGCATC ATTGCATGTTATACA

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TTACTAAAATTACACAGTGCATAATTGTTACCATGTGACTATTTAATTCAGGGTCAACTGTCTA **AAGGTCTCAGGTGTCA** TTATGATTCAATTCCT **ACTC** >MPM2000-002P8_breast_Table1_126 CGGCGCCTGACCTGNGGCAAGTGCTTTCAACTCTCTGAACTTCGGTTCCTCATCTGCCAGTT **GGCAGACGCTCAGCAGAT** CTTCCTAGACTCACGGNGCGAATTGT >MPM2000-002P8 breast_Table1_127 ACATTCCCAACAGCATGTCCTTCCTGGTTCTCTACCCCCACAGCACTTCTTAGAGCAGAGGC **AGAGCCCAGAAGCTGTGT** GGGTCACAGGCAAGAGCTGAAGTAAGACCTGCAAGAGGCGGCAGGGAGCTAACTGTAGCA CGAGGACAAAAATGAACACG GTAATACTGAGGTAAATGAACACTCAATTCATGTGGAGGCTGTAAACGTCCTGATGTCACCT **CTGCCTCAAGAGCAGAAA ATGTGACTGGAGTGGTTACAGGAGGGGCCTGCCAGACCCCTGTGGGAATACTACATCTGGG ACACCTCAATCAAGGAGGC** AAGAGAGAATTTCTGGCCACTGGCAAATGAAGCATACTGGCTTGCAGGGACCTTCTGATTCA **AGTACCTGCCCGGGCGGC** CGCTCTAAACTAGTGGATCCCCCGGGCTGAAGAATTCGATATAAGCTTAT >MPM2000-002P8_breast_Table1_128 CTCAGGCTGTGGATGAAGT **GGAACCTCTACCTGAAGACTATTATACAAGACCAGTAAATTTAACAGAGGTAACAACCCTTCA GCAGCGTCTGTTACAGC** CTGACTTCCAGCCAGTCTGTGCTTCACAGCTCTATCCTCGCCACAAACATCTTCTGATCAAA CGGTCCCTGCGCTGCCGT **CTGGTCGCTGTCAATTA** TATTCCAGAAGTGAGAATCATGTCAATTCCCAACCTTCGCTACATGAAGGAGAGCCAGGTCC **TCCTGACTCTTACAAATC** CAGTTGAGAACCTCACCCATGTGAC >MPM2000-002P8_breast_Table1_129 ACATAGATCCTGATCTACTGGCAGAGCTCAGCGAAGAACAGAACAGATCCTGTTCTTCAAG **ATGAGAGAGGAACAGATC** CGACGATGGAAAGAAAGAAGCAGCTATGGAAAGAAAGGAGTCCCTGCCAGTGAAACCCA GACCAAAGAAAGAGAATGG CAAATCGGTTCATTGGAAACTTGGAGCTGATAAGGAAGTCTGGGTATGGGTGATGGGCGAA CACCATCTAGATAAACCCT ATGATGTGCTCTGTAATGAAATTATTGCTGAGAGGGCTCGGCTGAAAGCAGAACAGGAGGC AGAAGAGCCCAGAAAAACT CACTCTGAAGAATTCACCAATAGCTTGAAAACAAAATCACAGT >MPM2000-002P8_breast_Table1_130 **ACATCATATGCCTGCTGAAGTGCTCTGACTTTAGGATGAGAAACTCTAACATAGGCCGGAAG ACAAATAAACCATAAACT GTAACAATGACTAAACAGACACTTGGCCCACTGTGGTGGATTTGTATAACATCTCTTCGCCA ATTTATGAGCTGTTTTTA** TTTCCTGTTTAGTTCTCTTAGCCATGAGAGGTGGACTCTTTG >MPM2000-002P8_breast_Table1_131 ACAGTGTTTGTTTCCTAATATTTATTAACCACCTTATACCAAATGTCTTGCAAAGAAATGTTAT TAAAACCTTGAATTTT TACAAATGTAAAAAACAAAAAGTGTATTAATGTATTTGTTCAGGAAAAGCTACATACCGAAGG **GCTTTTGTATATGAATT** CTGAGGTGGGGAGACCCATTTGTAATCTATATGGCAGTTCCATCTGGGTTTTAAGTTTAGATT **TCACCGTGTCTTAGTGC**

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Table 5

TTCATTCTATTGGTTTATTGGAACATGTAATAAATAGGAGTAGTGATGTATTAAAACACAAGTA TTCATTAATGTTTTAT **GTGAAAATTTATGAAG** AGTATTTGGAAGTGTGTACCTAGGCCGCTCTAGAAC >MPM2000-002P8_breast_Table1_132 TTCTCTTGGGGAAGCT ACAAGACATAATCCTTCAGTGCTTAACTGGAAAGAACAGTCAATCCTAAATATTAAAGAATCT **TATGCTGTTGAAAGTAA GACTTTAAAAAAATTAC** AATCTTGTTACTTTCATTAATTTAGCATGTGAAATTTAATTAGAAATACTGGGT >MPM2000-002P8_breast_Table1_133 **TCAAATGGCACACGC** TGAAATATGTAGATATTTTGCTATTTAAAGGAGTATTTTAAGAGATATTGAACTATCTGA **AATTGACCAGTAATCA** AAGTTCCAATCATCTGAATGCTTTTCCTTGAGGTAGAATGTGAGGTCTCAGAAATGACTGCATT **ACCTGCCCTTTTTTGCA** CCTTTTCTGTCTTTTTATTTTGCAGAACAACAACAACAACAACAACATTGTGCCTTAGCTGTATTTT TTTGTCTAGGGGAGTT TGTTTCTGTCTGACAAAGCAACATTTTTTGCAGAAAACAGGGGATGTATTAAATACTGTATCA **TACCAAAAACACTGNAG** GTGTATATAGATGCTTTCTGTCATACTGTGTTTTCAGATGCAGAATTTTA >MPM2000-002P8_breast_Table1_134 ACAAAGCTTATTCACATTTTTACTAAATCCAACACACATTCACAAATGGCAAAATGATTGCCT **CTTCAAAGCAATGCAG** CCTAGTTTTTGGTGGGTTCTGGTCACTGCTTAGCTAAGTCTTTGTTGGGCAGAGTCCTGGCT **CCACAGTCTCCTTCGATG** GGCTCCTCGATACACGAGGCTTCATAACATGCGCTCTTTGAAGAACCATTTCTGATGATCCG **AGTTGGTGCAGTCTCGTA** AGAGTGGAACGAAACTGTCACTCGACTCCTTCCTCGCAGCCTGGACACATTTCTTGGACTGT **TCGTGAAATAAAGATCCA** TCCTCCTGCAAGATGAACTTCTGATTCTCTGGGGCAGTTTCTTCGCAGAGATGCATGATAAG **GGTATCCATTCCTGCTTC** CACAGCAATGCAGCCCT >MPM2000-002P8_breast_Table1_135 ACTGGCCTCTTTGAGTATGAATGAACTTGGAAGAATAAAGCCTTCCAGTTGGATGAAAGCAC ATCCAGCCTTTTGTGAGT GACAGCTTTGTATAATCTTATGCAGAGCTGATATGGATTCCCTCCAGGCAGCTCAAATCTG **GAAGTTGTAAATGAATG** GCTATGCCACCTTGGAGTATCACCATAATACATCTCTGCTTTAGAGCTGATATACAGATGTGA **AACGATCGAACAACATG** ATTTCTCATTCTAGTGCTCCTTAGAAAGGAGTTCTGATAAGCCCCAAAGCAGACCTGGGTTG GAATCGTGGTTATTATTC **AAGT** >MPM2000-002P8_breast_Table1_136 **ACCGCTATATCCGCCAGTTGATGACTGTCCATCTCTAGCCCCTCTAACCATGCTATGCACCC** AGTGAGTGCAGAATGATT ACTAGTAATTGATGTTGACTTTACAATTCTATGACATGTAATACAGGATGCCGAGGCACTTTT AAAATTCCACCTAACAT GTTCTGGCACTGGAAAATCTTACTTGAGATTTTAATACTGGTTAATATAGGAAAAATTATGCTT **AAGCACCACTAACTTA** AAAGTGTAATTTCATTTTCTTGAATTTAGGTAAAAGCAAAATTCTCAAAATTCTATTATGGCAC

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ATGGTTTCACAGTTTC

>MPM2000-002P8_breast_Table1_137 **ACATACACATACTCTAGTTATGAGCACCTAGGGTCTTTCCCATCACTCTTGCAAAAGTGTGTG TGTGTGTGTGTGTAT** ACATACACTCACACATACATATGTATACACAGACATCTATATACAGAGATAATGTATATGCGT **GTCTAATGTATATAA** TATATACACATAGACATACACACAGCACATATCATAGCGTCAACCTCATCTAAACATCTAGA **GTCTGGAGAACGTGCTG** GAAACTGTTGGGAGGAGG AAACTGCCCACAATCTTTGAAAATGCAGGCCTACCAGGCCATTATTTAGATATTTGCTCCCAT **GGAACCCTCAAAGAAAC TTAGGAAAATTGGACTGGAATGGGGT** >MPM2000-002P8_breast_Table1_138 **GGAAAAAATTTGATAA** TTTTCTTTTTCTACATGCACTTAAGACTAAAACACAGGTTTGGATTAATTTTATTTGCTTCCTT TTTCCGCTTTTCTTC CCGCAGAGCCTGATGGGAGAATGTCCAGGGCAGGGAAACCACATTTTTTGTAGGTGATAAC TCAATGAAAATTGGTGCTT ATTTTTTACACTTCTCTTGTGGCTCTCTTGAGGTGCTATCTGTTTTAAGGTCTCCTTGAAG **GCGCACTGGGGTCCCTG** GCCATGCCTCGTTCTCCCTGCTTTC >MPM2000-002P8_breast_Table1_139 **AGCTCTTATTTTGTAAAC** TCATTTTGCGGTCGCTATCCAAATGGCCCGGACTACCAGTTGCATAATTATGGAGATCATAG TTCCGTGAGCGAGCAATT CAGGGACTCGGCGAGCATGCACTCCGGCAGGT >MPM2000-002P8_breast_Table1_140 **ACTITGATAGAACTAAGGAAATAGTGGTTTTGAGTGAAGGGAAAGGAAACCCAGAAACATTT TACGTTGCTTTTACTTCT** GTAGTGTAGATTGCCCCGGCCCCTCTCTGAGCCCTGTAGCATCTGTGATAGCTTCTGTCCCT **TCATCGGTTCATGTCACA** GGGATTTTCTTTCCCAGGAAGCGGACACGGAGAGTCAGCCCTAATAAATGAGCACATGCCC **TGGCTGTGAAAAAAAAAA** ATAAAACAGACCTTCAACAAAAAAATAATAGGACCT >MPM2000-002P8_breast_Table1_141 ACAGATTGTTCTCAAGAGGGCCATCAGAAGGAAGCCAAAGAGTTCACAGCCTCAGCACCAA CAACTCAACATGGTCATCA **TGTTTTCTATATGGTTTTTCCAGCTAGCAGT** >MPM2000-002P8_breast_Table1_142 ACCCTGAGAAGCATGGGGCAGTAGAAAGAGCATGTGGGCTTTAGAGTTCAAACCAAGTCAG **GCTCAAACATAGTTCTGTG** ATAAGCCCTGAGCAAGTTACCCGGGTCTTCCATTTCCCCCTTCTGGAGAAGTCCTTTGGAGG **ATGAGTCCTTCTGGAGGA** TGAGTCCTTCTGGAGGATGAAGTCCTTCTGGAGGATGAGTTCGTTGTAAGAATAAAATGAGA **ATGTAAGACACCTAGAGG ATGCCCGAGTAAAAAATGACAGTTGCTAGTAGTAGTAATTTGTAGGGCTCATTATCTAGAATA** ATTTTGTTTGACGTTAC TAATTAAAATGAACTCTTAAAGAAAAGCAGTGTATTTAGACTCTTGTAGTTAAGAAAAATTACA CCACAGAGCCCTTTTT **ACTITITIAAATTCATTTTTACATTTTAAATTCATTGCATGTATTCATTATGATTCCCGTTGCTAC** >MPM2000-002P8_breast_Table1_143

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ACTATATTAAGTGGTTCTATAAAAGCTATTCACAAGTTCTACTGTGATGGACATCCTCATCATA GACAAACCTCCCCTGT TTTATCCTCAATTTCTAGTTACAGAAATTTGGTGATGCTTATTTTTGCCAATTTTATGTCAAAAT **AAGGTAAAACTTCCC** TCCTGTTCACCTCTTGGGTCTCTATCCTGTGTAACCTCTGGTGTAGTATTTGCCCATAGGCAA CCAGAGCCACTTCCTCT GAACCCAACATCTTCTGGGGACCTTCGCAGCATGAGGAAAGCACTGAGACAATAGCTTGCT **AAGCAGGGGCCCAGTGGTG** CATAACGATGTTTTGACTTA CAATAGGCATGAAATCGCAACTA >MPM2000-002P8_breast_Table1_144 ACAGATTATGCTTACCTCAGGTTTCTTTAGTGTGCTTGAATGCCCTCCTTTCCATATAACACTT **ATCTTCTTCTTAATTC ATATTTAGGGGTTTT** TGTTGATAAAATCAAGTCTTGGTTGTGGCTTGCTGAATTAAATATTTATGAGTGGTGCATTTTT **AAGTATAGTGAACAAG ACACCATATTAAGT** >MPM2000-002P8_breast_Table1_145 **ATAATTATGCAACTGGTAG** TCCGGGCCATTTGGATAGCGACCGCAAAATGAGTTTACAAAATAAGAGCTCATTTGTTTTTTG **ATATGTGTGCTTGATTT GTGGCTCGCGGTCGTTTGTGCGTCTATAGCACCCTTGCACAATTTATGATGAATTATGGAAA TGACTGGGACATGT** >MPM2000-002P8_breast_Table1_146 ACAACCTCATCAATGTCTCTAAAACTAGGTCTTGAATCTAAAATGGAATTATACATAGAACTAT **TACATGAAGCAGTTCT** TTCACTACAATCATTTTTAGCCCCCCAGTGACCAATCTCCTCAGGTAAACAATGTCTAATGAC **TGATGATTGTTTACTGT** ATGCCAATTACTGCTAAATCCCTCATATAGATTATCTCATCTATGAAGACACAAGGATTATTAA **TAACCCCACTTCAGAG** ATAAACAGACACAGGTTAACACATCTCGCTAACACC >MPM2000-002P8_breast_Table1_147 CTGTATCTCATGTTTGCTGATGGCAGTTTGTGGGAGAGGGAACCATTTCAGCAATGATTTCA **GTTAGCAAATAGCTTTGC GCTCACGCCTGTAATCC** CAGCACTTTGGGAGTCTGAGGTGGACAGATCACTTGAAACCAGGAAGCCAGGAGTTCGAGA CCAGCCTGGCCAACATGGT GAAACCCTGTCTCCACTTAAAAAAAAAAAAAAAAATTAGCCTGTAATTCCAACTACTCGAGA **GGCTGAGGCACAGGAAT** CGCTTGAACTTGAGAAGCAGAGGTTGCAGTGAGCCAAGATCGCACCACTGTGCTCCAGCCT **GGGCAACAGAGCAAGACTC** >MPM2000-002P8_breast_Table1_148 CCCCTTGCCCTCATTC TTGAACAGCTGGAGGAATACATTTTATTCTGTCCATGAAGCATACACTATGAAATTCAAGTGC TTAAAAATACTTCTATG ACTCTCTGCTATCCCACTGTATAGATCCACAGGGAGCAAACACTTAGAAATGATAGAGAACT GAAGGAGATCAATGGTTT AACAGTTATCCATGCCAAGTCCCATTGTCAGAAATATTCTTATTACTCAGTCAAACACTCTTTG

AGCTTCCCTTCTAAAG

CTGGCCTTTTGTAGAG GTAACTTAATTGGGAATTT >MPM2000-002P8_breast_Table1_149 ACAGAAGTTAGAATTTTTGACTCCAGGCAGCAGTTTGCTCAGTGATCTTGAACAAGTTATCCA ATTGCCTCTACATTTGC **GGAGATTTTGAGGCCCTG** AGGTTTTAGGTGGGCTGTGAGGGCCAACGCTTGACACAAGTCCATGGGTTATTATTCAAGA **ATGCACAGGCCCATCGGC** CTTTTAGAAAGACAAGACAGGGAGTGCTTGTTTGATATTTCAAGGAATAAAGCCGGAGCTCC TGAATTGTAGTCCACCTT AAAAGAGAGACCTGTATTGGAGAATATTTTATTTTTTTGGCAAATTTGATCTTACCCTTTACCA **GTTCTATAATTTGGTT** AAAAGCTGATTATGTCCTACAATGTCAAAGTCAGCTAACTGTCGTCTACTTAAGACTTCTGGT >MPM2000-002P8 breast Table1_150 ACTGGGGGTTTGAACGTGAACGTATCTTTCTTGGGAGATGCGATTCAAGCCACAAGAGCATT **TACTTCTACTGTAAGAAG** AAAACAAATCGAGTTTAAATCCTATGTATCTTTTGTTTCCAAACCATGCTGCAGAAACTAAAAC TGAACTGCACTATATA TATTTCTAGGTGTCTGAAGTTTTGAAAGAGCTTCCCAAAACTTTAAGGTAGATCCCTAGTTTC **ATCATAAATGTAACTAA** AAGAATTGGCCTAAATGATTTCAAAGATCTCCACCAGCTCCTGGTTAAAAACTGCAAAGCTAT **GATGTTGTGGGCTTGTA** TTGGTGTGCACCTGTAAT CCCAGCTACTTGGGAAGCTGAGGTGAAAGGGTCACTTGGGCTCAGGAATGAGGCCCCGAC TAAAATTCGCTGCAAAAGCC >MPM2000-002P8_breast_Table1_151 **ACTCAGGTGACTTTCTGGTTAAAAATATTGAAGACGGATGACAACTGGGCTTTTTTTACTTTG ACAACTGAGACAAAATG** CATCATTATTTTAGCCC **AACTGTGC** >MPM2000-002P8 breast Table1_152 **ATCCATTTTTGGGGATTG** CTTACATCGCTGTTGGATCCATCTCCTTCCTTCTGGGAGTTGT >MPM2000-002P8_breast_Table1_153 ACCAATTAGAATGTCTTCAGTTATTAGTAATAGAGCATCCTAAATCAACTGGCTTAAAAATAAG TTTAGTCTCTCACAAA AGAAACAGTCCAAAGGAGGAGTGGCTACAAGGCTGCTTGGTTTGGTGGCTCAAAGACATCA TCCAGGTCTCAGGGTCTTT CAGTATTTCTGCTCAGGCCATGATTAAACTATAATCCATTGCTGAAAGATGGTTACCAGGCAC CACATCCAGACAAGGT >MPM2000-002P8_breast_Table1_154 ACCACGGTTGTAAAGCAATAAGATTTGAGATGAACACTATTGAAAACTTCGCTTTTTGCTAAAA **AATAGCAAGTTGAATAG** TAATCAAAAAACATAGAAAGATTTTAGTTCAAAATGATTGCTCCTTTCTCTACCTGGACTTTTA AAAAATCAATTGTCAT CTTCCACCGATGAGGC AGGTAGGAGATAAAGATGAATTCTGAACTGTTACTAAAAGTACGAACCAGCTCGTTATTAGAT **GCATTGTAGACAACATC** GATGATCCTTGTTTTACGAGT

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>MPM2000-002P8 breast Table1_155 ACAAAGCTTATTCACATTTTTACTAAATCCAACACACTTTCACATATGGCAAAATGATTGCCT **CTTCAAAGCAATGCAG** CCTAGTTTTTGGTGGGTTCTGGTCACTGCTTAGCTAAGTCTTTGTTGGGCAGAGTCCTGGCT **CCACAGTCTCCTTCGATG GGCTCCTTGATA** >MPM2000-002P8_breast_Table1_156 ACTCGCGATGCCCCGAGTGGCCTCTGCCAGGCTGTCCCGGGCCTCTCGGCTTCCCGGGG ACCCAGTGGTGTAGGCACGG ACCATGTTGTAGGCACCATCCCGGAGACGCCGCTGGACACAGTATGCCTCATACAGCTCAT CGATCTTGCTGGCATGGAA CCAAGCGGGAATTCCTCT TGGACTCCCTTATCTGCCCCTGGAGTTTCTCTTGCTCCTGCTGGTGCACTTCCAAGTAGGCC **GTCAGGCCCCGCTTCAGC GCCGTGT** >MPM2000-002P8 breast Table1 157 GGCGGAGAAGTTTGACCACCTAGAGGAGCACCTGGAGAAGTTCGTGGAGAACATTCGGCA **GCTCGGCATCATCGTCAGTG ACTTCCAGCCCAGCCAGGCCGGGCTCAACCAAAAGCTGAATTTTATTGTTACTGGCTTA** CAGGATATTGACAAGTGC AGACAGCAGCTTCATGATATTACTGT >MPM2000-002P8_breast_Table1_158 ACATTCAAACTCATAGTTTTAATAAAATACATCTTTAGATCAAAGCTGAACGAAGACATCAGTA **GTAGATCAGAGCATTC** CATTTTTCTTCTGCATGATGGATGGCTTATGCCATTTTTTATCTAATATTTCCACAGAACATTG CATTCACCTATCATTT **TACTCATTCTACTCCTCAAGC** >MPM2000-002P8_breast_Table1_159 CTTGGGTCTGAAAGTCGATGAAGGACGCGATTACCTGCGATAAGCTTCGTGGAGTTGGAAA **TAAACTATGATACGGAGAT** TTCCGAATGGGGTAACCTAACTGAGCAAACCTCAGTTGCATTTTGATGAATCCATAGTCAAAT **TAGCGAGACACGTTGCG** >MPM2000-002P8_breast_Table1_160 ACTATCATTTGCACACAGCAGATCAATAGGTGTCAGTCACCAGCTTAAGTTACACTTGTCAAT **ATTCAAACTTGAATAAA** ATAAACACACATCACAACAGCGACACTTTGCACTATCAACAATGAAGCTTGCCCTCAACAATT **ATGACGTTACTGGTTTT** AGTAACATAAAAATACATTGCTGGTTGACAGGAAGGATAAAAATGACATCAAGAATCTCAAAA **AGTTATGTGAGGTGCCG** GTCACCACATTTAGGCACTCAGGAATTAAAAATCAAATAAAAGCATAGCGAGGTGATGAATTT CCTCCTGGCTTCCCCCT CTACTTGTGCCATATGAGATAAAAGAGAAGGCAAGAAGAATGAACGAAGATCATGAGATTTCT TTCAAAAATCTATACACC **AGCTAA** >MPM2000-002P8_breast_Table1_161 ACATACATTTCTTAGGGACACAGTATACTGACCACATCACCACCCTCTTCTTCCAGTGCTGC **GTGGACCATCTGGCTGCC** TTTTTTTCTCCAAAAGATGCAATATTCAGACTGACCCCCTGCCTTATTTCACCAAAGAC **ACGATGCATAGTCACCC** CGGCCTTGTTTCTCCAATGGCCGCGATACACTAGTGATCATGTTCAGCCCTGCTTCCACCTG CATAGAATCTTTTCTTCT CAGACAGGACAGTGCGGCCTCAACATCTCCTGGAGTCTAGAAGCTGTTTCCTTTCCCCTC CTTCCTCCTCTTGCTCTAG

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CCTTAATACTGGCCTTTTCCCTCCCTGCCCCAAGTGAAGACAGGGCACTCTGCGCCCACCA CATGCACAGCTGTGCATGG AGACCTGCAGGTGCACGTGCTGGAACACGTGTGGTTCCCCCCTGGCCC >MPM2000-002P8_breast_Table1_162 ACATCGTCTTCGTCTCCTGGGCGCCATCTGCACTCGAGAGGCCCTTCGCTATGACTTC **CTGATAGCGGAAAAGGTA** TCCCTCATGGGCTTCCTGTTCCTTTTGGGCTTATACATCTCGTCCCTGGCTTCCTGCATGGG **AGGACTTTATGGAGCTCC** CCGCATCCTGCAGTGCATTGCCCAGGAGAAAGTGATCCCTGCACTTGCCTGTCTGGGACAA **GGGAAGGGCCAAACAAA** CACCCGTGGCTGCCATCTGCCTGACCAGCTTGGTGACCATGGCCTTTGTTTTTTGTGGGTCAA **GTGAACGTTCTGGCCCCC ATCGTCACCATCAACTTCATGCTGACATACGTTGCAGTGGACTACTCTTACTTCTCCCTGTCC** ATGTGTTCCTGCAGCCT GACCCGGTGCCTGAGCCGGTGCTCAGGGAGGGCGCAGAAGGCCTCCACTGCTCTGAGCA CCTGCTCTT >MPM2000-002P8_breast_Table1_163 **ACCACAGTCTTGCACATAAGTGCAGATTTGGCTCAAGTAAAGAGAATTTCCTCAACACTAACT TCACTGGGATAATCAGC** AGCGTAACTACCCTAAAAGCATATCACTAGCCAAAGAGGGAAATATCTGTTCTTACTGTG **CCTATATTAAGACTAGT** >MPM2000-002P8_breast_Table1_164 ACCACCTACAAGCTAGAGTGGTĀAATTTCAGGAAAGCAGAAGTTAAAGGCAAAATTGTAAAT CAGTCGAGATCGGGTGCC TTCAGGGTGGTATGGCTGTATACCAAAATTGTAAATCACTACATGAAGCTTATATATTGGTTT **GGCCTGAAAGGTGAAGT** GGTGTAGGCAGGGGCGGGCTTACAGGTTATGGCGGATTCAAAGACTCCCTGATTTGTGAT **TGGTTAAGGAAGCAAAGCT** TTGTCTAAAAACTTGGGGTCCGCAGAAAGGAACATTAAGGTCTGGCCAGGCCCCTCAGGAA GAAACTGAGAGCAAAGAAT. GGAGGTCAGAGTTTAGTCCCTGGTGTTCCCTCATATCTGACGTTTGAGTGAATCCATTTGGT **GGGGGTC** >MPM2000-002P8_breast_Table1_165 ACATAAATATGGAAGAGCAGTTTGTAATATGAATACATTTTCTCTAGACGAGATCACAGTTTTA TTTTGTAAATATTACA TTTAAGTATATATACACACATATATGT >MPM2000-002P8_breast_Table1_166 ACAAAACCTCAGGGTTATTTACGAAGCCAAAGGACTTTGCTATATCAAGTAGTTCATTTCTTA **TCTAAGACCAACTATAG GTATGATGCTACTGTATTCAGGCAATGCCGACTGGATTGGAACATGCTAATTTAAGGTGAGT TGGT**

>MPM2000-002P8_breast_Table1_167

ACAGTTTTTGCTCAAAATATATGAAAGGAAAGATAATCAGTTCTTAAAGTTTGGTATGCTAAAT AAGCACCCAGGGAACT

TACCTGCTCCACCTCACCCCAGAAATTGATTATTCAGGTCTGGAATATGGCTCAGGATTCTTA
ATTTTCAACCAACACA

TATAGAATCCTGTCAGTTATCCTTGGATCATTTGCTAAGTGATCTTGCAAAATCAAAACTCCTTTGAGACTATTTCATTT

TCAGAAATATTTTAAAACTTGTTCAGAAACATCTTAA

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ACACCCATCAAGCCACCAGCCTGGCCAAACGGGCATCTTTCTGTCCAGAGCTCATCAATAGGAACTGGGCAACCAGGTGG

GGAGCCGCCAGGGGAGCTTGGAGAGGGCAGAGTAGGAGCCTCCATGAACCAAGTCAGGCT GGAAGGGGTCAGCCTCGTG

GTCCGTCAGCGGCGGAGTCCCTGTGCCTAAGTAGCAGAGCGGTAGTCATTGAAACAGGCCGGGATGCCAGCAAGAG

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GGAGGCGAGCATGCAGTGAGCGATAGGT >MPM2000-002P8_breast_Table1_169 **ACCTTGAAGCAATATACTCAATGAGCTCTAAATCTCACATTCACTAGTGATCTGCAAGTGAAG CTGAATAAATATATTCT** CTTTGTTCAGTCATGGAAACTCAACATTAGAAATGACATGTGGGAATAGATCACCTTCTCTCT **AGACTAATATCCCATTT** CTGACAGTGGTCTCCATGGCCCATTGGGGCTTATAAAGTAGCTGCCTTCTGTGACATTCTGC TTGAAGACAAAGGCTTTG CCCAACATAACTCCTTTTAAAAAAGCACAACTTGTTTAGGCACACAGAGGTTAAGTGACTTA CACAAATCCACCCAGGA TTGTGATTGGCACGGTCTAATCTACTGAAAAATATAAGGCCAGGCAATTATATAGATATCTTT AACAAGTTAGTAAAATA **GTGGGGACTTT** >MPM2000-002P8_breast_Table1_170 ACGAACCAGCTCGTTATTAGATGCATTGTAGACAACATCGATGATCCTTGTTTTACGAGT >MPM2000-002P8_breast_Table1_171 ACATTAAATAACAGAAACCAAGAGTTTGTTTCTAGTAGTAGAAGTATAAGTGGAGAGAGT **GCTACATCAGAGAGTGA** ATTTACCTTAGGGGGTGACGACAGTGGTGTCAATGAACCCAGCTAGGAGTGCACTTGCA CTGTTGGCCATGGCCCAAT CTGGGGATGCAGTCAAGATTGAAGAAGAAAACCAAGATTTAATGCATTTTAACCTTC AAAAGAAAAGAGCTAAA GGAAAAGGCAAGTTAAAGAGGAAGACAACAGTAATCAGAAACAGCTGAAAAGACCTGCCC AAGGCAAACGCCAGAATCC AAGGGGAACAGATATTTACTTACCGTATACTCCTCCTCCTCAGAAAGCTGCCATGATGGTTA **TCAGCATCAAGAAAAA TGAGACAGAAGA** >MPM2000-002P8_breast_Table1_172 ACCAACTCACCTTAAATTAGCATGTTCCAATCCAGTCGGCATTGCCTGAATACAGTAGCATCA **TACCTATAGTTGGTCTT** AGATAAGAAATGAACTACTTGATATAGCAAAGTCCTTTGGCTTCGTAAATAACCCTGAGGTTT **TGT** ACCAACTCACCTTAAATTAGCATGTTCCAATCCAGTCGGCATTGCCTGAATACAGTAGCATCA TACCTATAGTTGGTCTT AGATAAGAAATGAACTACTTGATATAGCAAAGTCCTTTGGCTTCGTAAATAACCCTGAGGTTT TGT >MPM2000-002P8_breast_Table1_173 ACCAACTCACCTTAAATTAGCATGTTCCAATCCAGTCGGCATTGCCTGAATACAGTAGCATCA **TACCTATAGTTGGTCTT** AGATAAGAAATGAACTACTTGATATAGCAAAGTCCTTTGGCTTCGTAAATAACCCTGAGGTTT TGT ACCAACTCACCTTAAATTAGCATGTTCCAATCCAGTCGGCATTGCCTGAATACAGTAGCATCA TACCTATAGTTGGTCTT AGATAAGAAATGAACTACTTGATATAGCAAAGTCCTTTGGCTTCGTAAATAACCCTGAGGTTT TGT >MPM2000-002P8_breast_Table1_174 GGGGCGCCCCGGGCAGGTACCAGTGCCCCTTTTCAGACAGTTTTTGATTCGCTCTAGA CTTTTTTTTTTTAATAG GGAGGGAAAAATTTGATAATTTTCTTTTTTTCTACATGCACTTAAGACTAAAACACAGGTTTG GATTAATTTTATTTGCT TCCTTTTTCCGCTTTTCTTCCCGCAGAGCCTGATGGGAGAATGTCCAGGGCAGGGAAACCA CATTTTTTGTAGGTGATAA CTCAATGAAAATTGGTGCTTATTTTTTACACTTCTCTTGTGGCTCTCTTGTGGTGCTATCTG TTTTAAGGGTCTCCTT GAAGGCCCTGGGCCTGGCCATGCCTGGTTCTCCCTGCTTTATCCTGTTATTGC CTCCACAGTTCTGTTGCC

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AAGGACTCTTAAGATCATGGCACGTCACTTTCCTTTCCACTGGGCAGGATAG >MPM2000-002P8_breast_Table1_175 ACTCTTGGATGTTTTCTCACCAAGATGAGCAAAGAAAGGTTTGCACAGAGGAGTGTGAAT GTGTGTTTGTTGCTGGCT GAATGCCAATAGATGTCTAAGGTGGATTCAGTGTCTGGCACACTGAGACACCTCCAAGAAG GAGATTGATGCATCAGGTT CAGTTTAACCTGGAATATCTGACTACCCCTGAATCCACCCAGAAAGGGGGCCCAACACCCTT **GTCCATTTATGGGTATTT** TTTTCGAAGTTATTAAGCATATTCCTTTTCCACGAACCTCTTCTGT >MPM2000-002P8_breast_Table1_176 ACACGCGTCGCAATTCAGGATGGCTCTCTTGGATCTTAGCTTGCAACTCGGCCTCCAAGCTT **GTCACAGACATGGAACTT** TTCTGAGGAAACAGGGCACAACACAGGGGTGTAGCAAACACCCAAACAGAAGCCAACTAACC CAACTTGAATGGGTGCACT **GGCCATGCCAGGGGCTG** CCATGAGAATCCTGGACACGACAACTTGCGTGATGGCTTGTTTCGCAACGTTCGCCGACTC CCCCAAGCGGTTCCCATTC TCATCCGTGACGGGAATGCCAACTTTGAGTTCCCTTTGCCTCATTAATGGAATATTAATGCAA TTAGCAGCAGC >MPM2000-002P8_breast_Table1_177 TACAAGCTATTATATATTTTCATAATATAGAACTTTAAAGTATAGTAATCAACAGTGGCAAAAT **ATTTCTGTCTCTGACA** TTATTATTTGTGAGATCCAACCTGTAATTGAGATCAGAGAAAACAGTATGGGAAAACAAATCC **ATGAGAACAGGATAAAA** CAATTGTGTAAATATA **AATTAAAAAAGATGACATTCTTAATAAATAAAGTTTACTATTTACATTTTTATATATTGCCAAAA GATTTAACTTAGATC** CATAAAAACACATAAACAGAAAAAAAAAAATAGGAGCAGCAAATTTA >MPM2000-002P8 breast Table1 178 ACAGAAGTTAGAATTTTTGACTCCAGGCAGCAGTTTGCTCAGTGATCTTGAACAAGTTATCCA **ATTGCCTCTACATTTGC GGAGATTTTGAGGCCCTG** AGGTTTTAGGTGGGCTGTGAGGGCCAACGCTTGACACAAAGTCCATGG >MPM2000-002P8_breast_Table1_179 ACTTCCTGAGGAGTGAAGCTGTTTTCTGCTACCCTTTCCTGTCTGGTGGCTCACGAAGTTCA **GTGTCTCGGTGTCTGATG** CAGTGAATACCTGGGATTACAGTCTGGCATGCTCATTCCTTAGAACACAGGTTTATTCTCAG **GATGATTTATAGCAAGTG ATTCTGGTTTCCAGTCTGGTTGAAAA** >MPM2000-002P8_breast_Table1_180 ACTTGTTTATAGACTCAAAACATGATGAAAAATTCATTTCATTGTCTTCACTGAATAGACTTAAC **CTTGACAGTAAGCTTA** AAGCATTAGTGTCATTTAATTACATGTCTGAGGAATTTATGCTAACTAGATTTTGGGCTTTTGC AGCGAATTTTAGTCGG GGCCTCATTCCTGAGCCCAAGTGACCCTTTCACCTCAGCTTCCCAAGTAGCTGGGATTACAG **GTGCACACCAACTGTGCT GCCCCACAACATCATA** GCTTTTGCAGGTTTTTAACCAGGAGCTGGTGGGAGATCTTTGAAATCATTTAGGCCAATTCTT TTAGTTACATTTATGAT GAAACTAGGGGATCTACCTTAAAGTTTTGGGAAGCTCTTTCAAAAC >MPM2000-002P8_breast_Table1 181

ACTCATGGAAAGTATTAAAGATCTTTAAAAAAAATCGAATGCTGTCATGTCAAAGTGAGGCATG **AAAAGTATTATTAATGT AAATATCTTCTTAGAAT** GTCTCTGAAAATGGCATCTCATTACCTTACTGGGAACTG >MPM2000-002P8 breast Table1_182 ACAATAAAGTTCACCCACCCTGCACTTTGGCCCTTAGATCAATCCTAAGTAGCCATTGCCAG **TAGGCCAAGTTTAATCAG** GATGAACAGCTAATACA GAGGTCATATCCCTTACA TCTCTACCAGGTATTAACACCTAACTACTTTTTAGCCAGAGGCAATTCCCTTTATT >MPM2000-002P8_breast_Table1_183 ACACACACCGGCATGTTTATACACAGGGAGTGTATGGTTCCTGTAAGCACTAAGTTAGCT **GTTTTCATTTAATGACCT** GTGGTTTAACCCTTTTGATCACTACCACCATTATCAGCACCAGACTGAGCAGCTATATCCTTT **TATTAATCATGGTCATT** CATTCATTCACAAAATATTTATGATGTATTTACTCTGCGCCAGGTCCCATGCCAAGCAC **TGGGGACACAGTTATGG** CAAAGTAGACAAAGCATTTGTTCATTTGGAGCTTAGAGTCCAGGAGGAATACATTAGATAATG ACACAATCAAATATAAA TTGCAAGATGTCACACGTGTGATGAAGGTAGAGTAGGAGAGACCATGAGTAATGTGTAACAG GAG >MPM2000-002P8_breast_Table1_184 ACCTAACCTACCTTTAAGACTGGGATAACTATTGGAAACAATAGCTAATACCGGATATAGTTA TTTATCGCATGATGAGT **GGGTAATGGCCTACCAAG** ACGATGATGTTTAGCCGGGCCGAGAGGCTGT >MPM2000-002P8_breast_Table1_185 **GGTCAGGTTCATGATGAATTATTTGTGGGTGGGTGGATATTTTTATTCCTAGATATGGAGGAA ACATATGTCTGTATTAT** TATAAAACTGATTGTAATAATTCTTTCCTATCAAAATCTCCATAGGTCAAAATATTGGGGGAAT **ACTAAAATTTGCAACC** TTGTTTACTTTAAAAGGTTGCCACTTTCAGTGCAGAATACTACCGGCATCTTGTTACTGCAAT AGTTGGAAATAAAATGT >MPM2000-002P8_breast_Table1_186 CTCTGATAAAGTTCTTGAGATCCTGTATGTTCTTCAAGACCTTTATCAGAGTTTATGTGAATG CGGCTATTTTCTGTTTT AGGACAAACAGGACTAAAAAGTTCAAGGGAATATGCTTGGTTTTGTCCACTTTCATATGCTTC **TGTAAAACCATCAAGCT** GAATCGAATTCTCTCAGGTATTCTTATCTCCCCGTAACTTGCCTTTGGTTCAGTCTCCATGT TTACATTCCCTTTATTT **CTGAGAAATTCTGTATC AGTTGATATTTTAAGGTCTGAGACCTTCCTAACTGCTGCTTCAGACCTTGACTTATCTACTGC GTTCGAGGAAAATAATC** CCAACACTGGTTTTGTATTTCATGATATTCTGTTGGCACCACTC >MPM2000-002P8_breast_Table1_187 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG

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CTTGATTTGACCACGGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT **ATGCTTATTAGCAGCTGG GTTGG** >MPM2000-002P8_breast_Table1_188 **ACATTTCTAAATAACTTTTGATCTATAACCCTTGAAAATATTACAGTTTATGGTGACATGA TAGAGACAAGTCAAAC** AGTATTATAAGTGAAAATGAAACATCAATTTAAAATGAACAAGTGTAAAAAACACGCGGAACTG **AAATTATAGAAAATCAA** CACTTTCAACTGATATA AAAAGCCCTTTAAGATTCACATAATCTAAATAAATAAGCAGAAACACAAAGGGAGGT >MPM2000-002P8_breast_Table1_189 GGAGGGAACTGTTGCAAAGCCATTTCATCGAGAAGGGACAGAAGGAGAAATACACACATG TATACACAAACAGAATGGT TGAGAAAACGTTTTAATAAAATGTGAGGGTTGTATGTGTGCGTGTATATATTTACACTTAACC **TCTAAAATTCTCTTCTA** CAGTATCTCTGTTATGAATATGATGGAAAAGCAACATTTTGGTGGTGAGACTATTGTTAAAAT AAATTTGAGAAAGACGA AAATTTTGTGAGTCTTGATAATTACAAGTCAACAGCTATCGAAAGTTAGCAC >MPM2000-002P8_breast_Table1_190 TTTTTGTTCAATACATTTTAGATTAGGATTGACAAGTAAAGATACTGCTATGGAATGATACATT **GTATTTTCTGCATTGT** GTGAAATAGTTTTTATTGAAAGTCAAGTGACATTTCAAAAGAAGTTCTATAACAATTATGTTTC **ATGCTTAAAGTAAAAA** TTCCCAGAGTTTAGTTTAGAAAATGTAATCTTTTAAATTTCAGACTGATATATTCCCAGTATTTT CATAATGCCATGTTT **TGATAAAGT** >MPM2000-002P8 breast Table1 191 ACTGTTCTTATAAAAGATTCTTTCTCCCAGAATTATATCTCCTCAGAGCAACAGCAAGGTTCT CAGGATCGAAGCCTACT CTAGCCTGAAGGGCTAGGAAGATTAGGATAAGGATAAGGATAATAATCCAAAAGTCTCGACA **ATTCCAGTAGTCTCTGGA** TGGCTCCAACATCATAGAAATTTAACACTGTTCCACTTGTTTACAAAATCTAACACTGGCTTA **GACATTCTGGACTTTCA** GTGAGGGTTCCAGCATCTGATGTCCCTCAACTCCTTTCCAGGGTGAGAGGCCCACTTACAG **GAAACTTAACTTCTCACCA** TGTGGACCCATGAGGGTTTTTCTCTTGCAGAAGGGCTAAAAAGTGAGGAGCTATGGAAAAAT GTTGGGTCACTTTT >MPM2000-002P8_breast_Table1_192 ACGATTCACTAGGGCATCCTGCGAGCCTCACTAGCCTTCTGGTTCATGCCTTTGACAAGCAT TTTTGTGCCCCCTCTGCT TACTGTGACAGTCGATGATGAATCTTGCGTTGCCATTTTCTGCTGTGGGTAACTGCGTGCAG GGTCTTGCCTTGCTTTCT CTTCTTACTGTCCCACAGCTTGGTTTCATGTTACAAACAGAAAAGCTCGAGGCTCCCACCCC **GCCACATCCCAACTTCAT** TTCCCCCTCACTGTAGCCCATTTCCACCCCACCACAAAGTTGCCACAGGTTTTCTTTGTATAG **AATATTTATTTTGAAGC** TCTATTTTAATAGTATTTATTTTAAAAAGTCTACTATTGTAAGAGTTCTTCTGGTTGTGAAGAAA **AAAACAAGTTAAAAA** CTGAATGTACCTCGGCCGCTCTAGAACT >MPM2000-002P8_breast_Table1_193 ACTTCCATAAGCTTGGATTTTAAACACTGATAGTATCTCATGAGTAATGTGTGTTTTTGGGAGA GGGAGGGATGCTGATTG

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ATATTTCACATTGTATGAAATACCATGTTTGAAACTCATAGCAATAATGCTATGCTGTTGTGAT CCCTCTCAAGTTCTGC ATTTAAAATATATTTTTTCTTTATAGGAATTGATGTATACCATGAAGTCATTGTCAGTTGTAGTA **GCTCTGATGTTGAAT** GAGATATCATGTTTTAACATTCCATTTTACTG >MPM2000-002P8_breast_Table1_194 GTGGACCGTGAAAGCTGTAGTTTGCAACCCTGCGAGTATGTCTGGATCACAGGAGAATGGT CAGAGTGCTCAGTGACCTG TGGAAAAGGCTACAAACAAAGGCTTGTCTCGTGCAGCGAGATTTACACCGGGAAGGAGAAT **TATGAATACAGCTACCAAA** CCACCATCAACTGCCCAGGCACGCAGCCCCCAGTGTTCACCCCTGTTACCTGAGGGACTG CCCTGTCTCGGCCACCTGG AGAGTTGGCAACTGGGGGAGCTGCTCAGTGTCTTGTGGTGTTGGAGTGATGCAGAGATCTG TGCAATGTTTAACCAATGA GGACCAACCCAGCCACTTATGCCACANCTGATCTGAAGCCAGAAGAACGAAAAACCTGCCG **TAATGTCTATANACTGTGA GTTACCCCAGAATTGCAGGGAGGTAAAAAGAC** >MPM2000-002P8_breast_Table1_195 ACAAGTTGGGGTCATAATTATCGAGTCTCTTGATATTATCACAATTACTGTGCCCCCTGCACT **TCCTGCTGCAATGACTG** CTGGTATTGTGTATGCTCAGAGAAGACTGAAAAAAATCGGTATTTTCTGTATCAGTCCTCAAA GAATAAATATTTGTGGA CAGCTCAATCTTGTTTGCTTTGACAAGACTGGAACTCTAACTGAAGATGGTTTAGATCTTTGG **GGGATTCAACGAGTGGA** AAATGCACGATTTCTTTCACCAGAAGAAAATGTGTGCAATGAGATGTTGGTAAAATCCCAG >MPM2000-002P8_breast_Table1_196 GTGCTGCACAGATTGATACATTAGCCTTTGCTTTTTCTCTTTCCGGATAACCTTGTAACATATT GAAACCTTTTAAGGAT GCCAAGAATGCATTATTCCACAAAAAAACAGCAGACCAACATATAGAGTGTTTAAAATAGCAT TTCTGGGCAAATTCAAA CTCTTGTGGTTCTAGGACTCACATCTGTTTCAGTTTTTCCTCAGTTGTATATTGACCAGTGTT CTTTATTGCAAAAACAT ATACCCGATTTAGCAGTGTCAGCGTATTTTTTCTTCTCATCCTGGAGCGTATTCNAAGATCTT CCCAATACAAGAAAATT AATAAAAAATTTATATATAGGCAGCAGCAAAAGAGCCATGTTCAAAATAGTCATTATGGGCTC AAATAGAAAGAAGACTT TTAAGT >MPM2000-002P8_breast_Table1_197 ACAAATTGTTCTACTGTTTTAAAAAGTTTTCCGCAGAACAGTGCATTTATGGCAATGCTATGTT TAATGAGTTAGGGACA TCAAATATATAGTAGTTCCTTATTTTCAGTTGTGAAAATGAAATGGCTAAAGCAGAAGAGACG TCTATTTTAGTCTTTTA AAAATGTGTGTGGGTGGTCTTTTTTCCTCAGAAGCCCAAAGCACATGTATATTTTGTTATTTC TCCTTGCTATATTCCTG AGACTATACTAAAAACTTTAAGAAAAGGAACAAGAAAAAGGTAAATTCATGTGTTCCCCACTG **CTGTGTCTAGAACCAAG** ATCACATTATATCATTGTTAAAATTGTGTTATCTAGAAAGTGCAATATAGGGAAAACACTCTAA GAATCTTTTAAAAACC TAGTGGTTCCCTTATTTGTCAGAATATGTGGTAGTGGCATCCATAAGTATC >MPM2000-002P8_breast_Table1_198 ACCTAACCTACCTTTAAGACTGGGATAACTATTGGAAACAATAGCTAATACCGGATATAGTTA TTTATCGCATGATGAGT **GGGTAATGGCCTACCAAG** ACGATGATGTTTAGCCGGGCCGAGAGGCTGT >MPM2000-002P8_breast_Table1 199

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ACTGATGAACACCAACATGTTCCAGAAGACCCAAGAGAAAAATCACAAGATGAAGTCTTGAG **AGATGACCCTCCAAAAA** AGAACATCTACGGGATACAAAGTCTACATTTGCTGGCAGTCCAGAGCGTGAGTCCATTCACA **TCCTGAGTGTTGATGAGA** AGAACAAGTTGGGAGCCAAGATTATCAAAGCAGAGATGATGGGGAATATGGAATTAGCTGAA CAACTTAAAGTTCAACTT GAAAAGGCAAATAAATTCAAAGAAACTATAACACAGATACCAAAAAAATCTGGGGTAGAGAAT GAAGACCAGCAAGAAGT **AATCCTTGTCAG** >MPM2000-002P8_breast_Table1_200 **ACCTGTGTTTAAAAGATGAAAGAAATGGTTGCTGAACCCAAAACATGTTTAGGAGGAAAACCC AGAAGAACAGAGCAGTGG** CACTGGACCTCCTGTCTGTCCGTGAGGCTGCAGAACACAAGGCAGCTCCCAATGCCGCTGG **ACTCTCTGACCTTGGAGAG** CGTAAACATCATATGATTCTGTGTTCCTGAGATCTGGGTTTAACGATCTGGGCTTTGTCAT **GGTGTTATACGTTCGTT GTTGTTTGTGTACCTGCC** >MPM2000-002P8_breast_Table1_201 **ATGTTCCGCACCCCCATT** TAGCTATTGTTTCCAA **TAGTTATCCCAGTCTTAAAGGTAGGTTAGGT** >MPM2000-002P8 breast_Table1_202 ACAGAATCCAAAAGTCATAAAAAGCAAAAGCTATCTTTTTTCACTCTGGCACCCATCTGTTC TTCCCTGGAGTCAAACA **TGATTCTAAAAGAATA** AGAGACATTTTCAGCATGTTGTTTTGTTCAACACCACAGTATATCTTAAAGATGGTCCCCCAT CAATACATATAGAGATC TCTCTTTTTATGGCTTCATAGTATTATCATGTGCTGATATGCCAAAAACTAATCCATTAGACC CTTTTGGGTATATATT TACTATTTTGCAGTCTTCTGCTCTTAGGAATAAAGTGAAATTCAATCACCTGTATAGAAGTATT TCACACATGTTTGAAT ATATATGTAGAATAAATTCCCAAAAGAGAAATTTCTAGAGAAAGAGATATATGCATTC >MPM2000-002P8_breast_Table1_203 ACAAAGCTATAAAGGAACGTTTTTAGAGAAAGCACTGAAGACACACATTTTGCTGACCTAAAA GATTITAAAATGAATTA GAATAATTTACATCATATAAAGAGGTATTTAGTCTTTAAGTGGAGAAAGTTGCTAGTCACATG TAAGAAAAACAAGTATT ATGGGCCTTCCTAAGACAAATGGAATAAATTCCATCACTTTTGGCTTTTTTATAAACCAGACTT CTAACAAATAACCATA TTAATTTTCCAGTAATCAAACATATCCTAAAAGAGGAAAAAGAGAATGTCTACTTTTAAATCAC **ATCCAATGTGAATTTG CGTGAATGCAAGGCATAAAAT** >MPM2000-002P8_breast_Table1_204 ACAAGGGCAGGATGGCAGCACAGAGCCGCCAGCTCTTTCCCCGCCCACTCTCGGTGAAGC **AGTGCAGCTTGCCCGCCAAG** TAGAACGTCGTGAAGCCAAGGCCCGAAAAGGCAAAGGAGGAATGGATGCTGGGGAAGCTTT TGCGGCCCTCGGACACCAG ATCGGGGTCACCTGTGCAATGCATTTCCGAGTTCATCACTCCATCTTCCCACTATTAATTTAA TAGTGTTTGTGCAGACT CCATTCAAAGCAAGAGCCAAGGACACCGCTAAGAAGGCTTCCTTAATTTCAGTCTTGTCTGT TCGCCGGATAATTTTCAC **TATCTGATTGCACCAAAGG**

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ATTTTTATAGAGCCAGATCTCTTCTGGCTGGATGAC >MPM2000-002P8_breast_Table1_205 CGATTTCAGGCAGTGTGT GGCAGGGTTACTGTCCTAGCAACCTGGCTACTCCTCACTGTGAACGTTTCTCATAGGTGTCA **TATGGCAGGATGAAAAAC** GAACTCTTAACCCCTTGCT CGACAGGTTTGAGTTCAAGGGGTTGGATGCTCCAAGCAGAGGGCCAAACCCTGATTTATGA **AGCATGCTAGGTCAACAGC** CAGTCAG >MPM2000-002P8_breast_Table1_206 ACAGTGCCCCTGCTTGTGGTGCAGGGGGGTGCCATTGCCGTGGTGCTTGGCATTGAGGG **GCTGCAGGTGATGCATTGCA** CGGGACACCAGGTCACTCAATTCGGCGATGCTGCCTACGCGCGTGGCCAGCAAAGACTGC **TCGATGGTCCTCAGCTCCGA** CTGGCTGAACATGGGCAGTTCCCCTGG >MPM2000-002P8_breast_Table1_207 ACCAAGCTAAAGAAGGCAGGAGAAAGTTTTTGAGGATGGTGTGTAATCGGTCACTATT TACTGTGTGAGTTCCACT GGAGACAAGCACTTTCTCCAATCCCAGAGTCTACACCTGACTGGGAATTTTTCATTCTGG. **ATTCTGATTGAGGGAAAA** TACTGATATCCAATGGGCTATAAGGAGGACCTTTCAGTTTCTGTAACAGCATCTGAGTTCTAT **GCATGTCCTGGAAAGGC** ACCTGCCCACTGGCTAATTCACATGCTGTAATCCCAACACTGTAAATATCTGACTTCACATTA **TACCCACGTAAATCCTG** TCTCAGTAGTTCTGGACTCAGCCACGGCTGCACTGATGTGCTGAACTGTGGGAAATCATACA CAGCCCTATGCCTCTGTC CATGCTTAACCAAACTATGCAGATGGGAAAGGCCAGAGAGGGTCACTAGGCCATTACCAGA **AATGGG** >MPM2000-002P8 breast Table1 208 ACCAAGCTAAAGAAGGCAGGAGAGAAAGTTTTTGAGGATGGTGTGTAATCGGTCACTATT **TACTGTGTGAGTTCCACT** GGAGACAAGCACTTTCTCCAATCCCAGAGTCTACACCTGACTGGGAATTTTTCATTCTGG ATTCTGATTGAGGGAAAA TACTGATATCCAATGGGCTATAAGGAGGACCTTTCAGTTTCTGTAACAGCATCTGAGTTCTAT **GCATGTCCTGGAAAGGC** ACCTGCCCACTGGCTAATTCACATGCTGTAATCCCAACACTGTAAATATCTGACTTCACATTA TACCCACGTAAATCCTG TCTCAGTAGTTCTGGACTCAGCCACGGCTGCACTGATGTGCTGAACTGTGGGAAATCATACA CAGCCCTATGCCTCTGGC CATGCTTAACCAAACTATGCAGATGGGAAAGGCCAGAGAGGGTCACTAG >MPM2000-002P8_breast_Table1_209 TTTTACTAAATTATCTATGTCAAAAAAATTCTGTGCCTGGCGTGGAATTTCACTCCATCAAGTG TTACAATGATTTTTC ATTTTCATTACAAGCAGGAGAATGAATGTAGGACAAGTGTTAGGAAACATGGCAATAAATTAG **AATATAATTTACAAAAG** CAAAAAATTAACAGTGT >MPM2000-002P8_breast_Table1_210 ACATAGTCTCCCAGTCTACATGTCCTGGCTGTTAATCATCTTGGCCCCTTGAGGCACATCAC **AGTTTGAAGGACCTGTTT AGAGGAAATAAGATTT**

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CCTCCTCCTCCTCATTTTATATTGACTGTTTGCCAGAAACTGTTTTCTTCTGTTTTCTTATA

TTTTGTTTTTGAGAT

GGAGTCTCACTCTCACCCAGGCTGGAGTGCAGTGGTGCAATCTCAGCTCACTGCAACCTCTGCCTC

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ACCTGTTTGCCTTAAATTGCTTTTTAGCTCTAAGATTGTAGAATGATCCTTTCAAATTGGACTCTTTTCTAACAGAGATA

TTTTAATATACTTGCTTTCTTAAAAAACAAAAAACTACTGTCAGTATTAATACTGAGCCAGAC TGGCATCTACAGATTT

CAGATCTATCATTTTATTGATTCTTAAGCTTGTATTAAAAACTAGGCAATATCATCATGGATAC ATAGGAGAAGACACAT

TTACAATCATTGGGCCTTATATCTGTCTATCCATCCATCATCATTTGAAGGCCTAATATA TGCCAAGT

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ACTGGATGTTAGAACGGGCTCCAGGAGCCAGGAATCCTGGCTCTGCACTGTTGGAAACATC TAAGCTAGTCTTGCGCCCA

TTTACTGGCTTGACAGGGATGCCTGAGGACTTCTGGATCTTGCTGAGAGTGGCTGAACCAC CAGTTTGCATGACAGTGGC

TGTGCCTGTGGCAGGAGGAGGCTTCTTGTAGCCAAAGGATCCCGAAGTGGAGGGGCGAGC AATGCCCGAGGGGGGCTTCT

TAGCATCACTCAGGCGGTCCCGACCAGCATTAGAGGAGGAGCGTTGGAACCCAGTATTCTTCACTGCAAGCTTACCCTTG

TCTGTAGCTTTGCC

>MPM2000-002P8_breast_Table1_213

ACTTGAGACCTCATGCATATAAAACCAGCTTACAAACTACATCGCACTATATGAAGAAATTATCACTGGGGGCAAATCAC

CAAGTAGGGAGCACAATACACAGGGTGTGGATGTTAATGTCATTCCCTAGCCTTCTCATTCC CTTCTCTTGGTCCTTTAT

GCATATGGAACAGTTCCATTATTAAATTTTGTAATAACTGAGAACCTGACTCCCAGCAAGGGAGTAGTTCAGAAGTT

GAGGGAGTTTAAATCTGAATGAGTAAATAAAGCAATTATATCATTAGCTTAAAATTTTATCATC
AATTAAAAATAAATTT

AAAAACAAATACTTAAAAAAAAAAAAAAAACCTGCCCGGGCG

>MPM2000-002P8_breast_Table1_214

ACAAGTCTCATAAACTATCTCAGCACTGCATCCGTATTTGTGGGCACCTGTGCCAAAAGCACCTTGATATGTTTCTTAGT

GTAATTGGCCAGAGATGGCCAATAGATGTCTTCTCAAGTGTTTTTGATCACCAGGTCAGTGC TATTGGGAGTGATATAAT

ATGCAGGAATTAGGTGGGGCTGCACACGTGCATGGTATTTTCTATCCCTATGCTAGGTTTTGGTTCTGTTGGCTGTCTTC

ACTAGACTTGAGATGTACAGTAATCCCTATGTGATGTAACTAGTCTAGACCTTCCCTTCTCCGCAATTCCCA

GCTCCAGGTTTCAGAAAGTATGCCACACTCAACC

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GGGAATGAGTAAACTTCTTTTATTGCGGACAAATGTGCACATAGCCGCTAGTAAAACTAGCC TCAAACAGGATGCTCATA

AAAAGTGTAATTACAATTACTTGAATTTAAGTAAAAAGAAAAATTCTCAAAAATTCTATTATGGA ACATGGGGGGACAATT

CCGAATG

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AATTTTTCAGTTAGGTCATTATTTTCATTATTTATGTATAAAAATGCTAATGCTTTTTGTATGTT GATTTTGTATTCTGC TTTACATAGAGCCCAG TTTTAGTTTTAATAGAAATGTTTATAATAGTGGATGGAATAAAGACTTTGTATGATTACTGTGA ACCACTATCTCTCTCT ATATATATAGATAGATATGAATGAGTATGTGTATAAATACATAAAGCAAAGGCTTTG >MPM2000-002P8_breast_Table1_217 ACAAAATAACATCATAAATAACATAAATGAGAAGTTTTCAAGTATTTCAATGTGCCTTGAAAAG TTTCAAACAGTAATTC **AAAGAAATGCCTCCA** GTCTCTGTTAGCCCCGATGTTTGGAATGAAATTAACAAGATTCTACCTTAAAAGAGAAAACTT **ATGTGGGCTTTTCAAAT** TGTGAAAATTTGTTCCCTCTTATAAAATATAATCTTTCCCCTGCTGCTGGTTTATAAATATGGG CATATAGCCCAGAGCC ATTATAAAGAAAAAACAACCAACCACAATAAACTAAGGAGCCTCATCTGATGGCTTAAGGTTC **TCAGGAAAAAATGAGAA** GAGCACCTTTGATCAGGAAAGGAAAAAAGGATTGAGGGATAAAACAGTA >MPM2000-002P8_breast_Table1_218 ACATCTGAGACTCAAGACTCTCACTGATTGGAGAGCTTGTGGAAAACAAAACACACCATGCC **AATAAATGAGATGAAAAC** TTGAGTTTGCCTTTTTAACTATTTATGTTCTAAGTTAAGCTTTGATAACATTCAAATGTCAAATT **CTCTCATTCTTATAA** AAAGTTGAATTAATTGCCTGTATTTATTTTAGCAATTATTCAATGTATTTCCAGTATAGGATGT ATAGTATAATTT TTTGTAAATAAAATATTTT >MPM2000-002P8_breast_Table1_219 ATTCTTGTTTCTATGAAGGAAAAGTTTGGCTACTAACAGTAGCATTGTGATGGCCAGTATATC CAGTCCATGGATAAAGA AAATGCATCTGCATCTCCTGCCCCTCTTCCTAAGCAAAAGGAAATAAACATCCTGTGCCA **AAGGTATTGGTCATTTA** GAATGTCGGTAGCCATCCATCAGTGCTTTTAGCTATTATGAGTGTAGGAAACTGAGCCATCC **GTGGGTCAAGATGCAATT** ATTTATAAAAGTCCCCAGGTGAACATGGCTGAAGATTTTTCTAGTATATTAATAATTGACTAG GAAGATGAACTTTTTT CAAGATCTTTGGGCAGCTGATAATTTAAATCTGGATG >MPM2000-002P8_breast_Table1_220 ACTGCCAGATCTGTATCACTCCGGAGCAACGACCTGTCTCTCTGAATGATCTCTGGCATGGT AAAAGAGTTAACTGTATT TCAAAAGGTGAAACAAACTTTTTTTGCTTTGTTATGCATGTTTCAAATTGATCAATGGTTCAG GCCTGGAGTATGCATC CAGAACCACTGGGGACCT GGCAGTTCTGATGTGCACGACTAGTCAAGAATCCTTTAAAGGCTGATAAAGCAATCTTGAAA **TCACTGTCAATGCAAAAG** TGGGATGTTCCTTATTAATAAGAACTCAAAAAATAAAGTACC >MPM2000-002P8_breast_Table1_221 ACGCGTTTCTTGTAAACACGAGGCACCCCAAGATAAGAAGACAGATAGAGCAAGGGATGGA CATGGTCATCTCCTCAGTG ATTGGAGAAAGTTACCGGCTTCAGTTTGATTTTCAAGAGGCAGTGAAGAATTTCTTCCCCCC **AGGAAATGAAGTGGTTAA** TGGAGAAAATTTAAGCTTTGCATATGAATTCAAAGCTGATGCATTATTTGATTTCTTCTATTGG TTTGGGCTCAGTAATT CCGTTGTAAAAGTAAATGGAAAAGTTCTGAATTTGTCAAGT >MPM2000-002P8_breast_Table1_222

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ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT CTGATGGCACTTTTGAGCTCCTAAGCTGCCAGCCTTCCCTTCTTTTCCTGGGTGCTCAGGGC **ATGCTTATTAGCAGCTGG GTTGGTATGGAGTTGGCAGACAGGATGTTCAACTTAATGAAGAAATACAGCTAAGGCCTTGC** CAGCAACACCTGCCGTAA **GTTACTGGCTGAGTGAGGGCATATAAGTTAAAGGTTACTGTTTTTATCC** >MPM2000-002P8_breast_Table1_223 ACAGTCACCATCATACTTGTCTCCATTTGGAAAGATAAAGCTGATCTTATACACTTCTGAAGT **TGGTCGAGAGGTGTTAG** AGAGATCTTCCAAACTCTGCGACTCCCCCTGGGCGGCCAGCTCTGCGGCC >MPM2000-002P8_breast_Table1_224 ACATTACTCCATCTACCGAGGCAGCGCATGGCATGACTGAACGGCTTGGAACAACACACAGA **AATTAGCACCACAAACATT** CAGGAACCAAATATAATCTGCTATGGTCACACCACAGACAATGCAGGAAGAGGCTTTTTATT **GCTTGTGTGTTTTCAA** ATCAAGTAGGCACAACCCAGTCCTCATAACAGCCCTCGGGAGTGGACGCACCGGGGCGGG AGAGCGCAGGAGGGAGTGTG CTTGGCTATCCTGCCCAGTGGAAAGGAAAGTGACGTGCATTGATCTTAGAGTCCTTGGCAAC **AGACTGTGGAGGCAATAA** CAGGATAAAGAAAGCAGGGAGAACGAGGCATGGCCAGGGTCCCCAGTGCGCCTTAAGGAG ACC >MPM2000-002P8_breast_Table1_225 AAAAAAAAAAGGAGACACAAGACTTACTGCAAAAATATTTTTCCAAGGATTTAGGAAAGAA **AAATTGCCTTGTATTCT** CAAGTCAGGTAACTCAAAGCAAAAAAGTGATCCAAATGTAGAGTATGAGTTTGCACTCCAAA AATTTGACATTACTGTAA ATTATCTCATGGAATTTTTGCTAAAATTCAGAGATACGGGAAGTTCACAATCTACCTTATTGTA **GACATGAAATGCGAAC ACTTACTTACATATTAATGTTAAC** >MPM2000-002P8_breast_Table1_226 ACTITICCATTCATTCCAGTGAGAAGCACTAGAACTTTAAAATTTCAGAATTGGATGAAAATAA CAAAGATCACCCAGTTG AATCATATTTTTTTGTTCAGAAGCAAAAACTGAGGCTCAGAGACAAACTGTCCTGTCCAAGAT TATACAGAAAATGGTGG GAAGAGTTGAGAAGTTTCTCAATAATGCCATGACTGTTGAATCATAGGAACAAAAGCCAAGA GATGGATCCTTACAATAG TTTAACAATATAAACCACATGGAACATTTCAAGAAAGAGTTAAACAATGATCTATGTTTAAAAG **CTATCTCTACCTGGCA** TAGTATCTTACATTTATAATTCTAGCACTTTGGGG >MPM2000-002P8_breast_Table1_227 GGCCGCAGAGCTGGCCGCCCAGGGGGAGTCGCAGAGTTTGGAAGATCTCTCTAACACCTC TCGGCCAACTTCAGAAGTGT ATAAGATCAGCTTTATCTTTCCAAATGGAGACAAGTATGTTTTTCTCCTCTGTTTAGATGGTGA CTGT >MPM2000-002P8_breast_Table1_228 ACAAAATAACATCATAAATAACATAAATGAGAAGTTTTCAAGTATTTCAATGTGCCTTGAAAAG TTTCAAACAGTAATTC AAAGAAATGCCTC >MPM2000-002P8_breast_Table1 229

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Table 5

ACAAAATAACATCATAAATAACATAAATGAGAAGTTTTCAAGTATTTCAATGTGCCTTGAAAAG TTTCAAACAGTAATTC TCACAATTGGTTAGACAATCATTTTTTTTTTTTTCTTTTCCTCTCATTTAGTCTCAGAGCCTAA **AAAGAAATGCCTCCA** GTCTCTGTTAGCCCCGATGTTTGGAATGAAATTAACAAGATTCTACCTTAAAAGAGAAAACTT ATGTGGGCTTTTCAAAT TGTGAAAATTTGTTCCCTCTTATAAAATATAATCTTTCCCCTGCTGCTGGTTTATAAATATGGG CATATAGCCCAGAGCC ATTATAAAGAAAAAACAACCAACCACAATAAACTAAGGAGCCTCATCTGATGCTAAGGTTCTC **AGGAAAAAATGAGAAGA** >MPM2000-002P8_breast_Table1_230 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT CTGATGGCACTTTTGAGCTCCT >MPM2000-002P8_breast_Table1_231 ACTAGAAATTGCACTGTCCTAGAAATTCCTCCATCCCATGAAGCCATTTCCATCATGAAACCT TTGACACACTTGAACAC AAGTTCCGCTCTCCTTAAGCACCAGGGTATAGTCATTTCCTCTGACATATAATGGTACTAAAG CACTGCAAATGCTCAAT ATTATGCCAATAGGTCCCTTTCCAATTTCAATTACTGGGAAAATATACATATGGACAATAGAT GGATGCCACAATAAAAG GCTGGCAGCCTAACCTTAACATGAATTTTTCCCTACCTCTATTTAGGGGGACAGGGGAGGGC CCCTGGTTTGCTTTGAGA **AGGGACAAATACATTTTAC** >MPM2000-002P8_breast_Table1_232 ACTTGGAGCTGACCAAACGGGAGGTCGAATACATTGCCCTGTCAAGGGACACCACTGAAAC **TGATCTCAAACAGCGACGA** GAGATCCGTGCAGGCACAGCCTTTTACATTGATCAGTGCAGCTTCGTGCAGCCACAGAAG **GCAGAACTCTCATTTTGGA** AGGTTTGGAAAAGGCAGAGAGGAATGTTTTGCCTGTTTTGAACAACTTGCTGGAAAACAGAG **AGATGCAGCTTGAAGATG** GACGCTTCCTGATGTCTGAGCGTTACGACAAACTTCTCCGAGATCATACCAAAAAAGAG TTGGATTCTTGGAAAATT **GTCCGAGTTAGTGAAAATTTCCGAGTGATTGCCTTGGGCTTGCCAGTGCCAAGGTATTCTGG** GAATCCATTAAACCCCC >MPM2000-002P8_breast_Table1_233 ACAGATAGAGATĀATAGAAGACĀAAGAGATTAAAAGGAAATAAAAATGCATGATTAAAAACTA **AGAATAAAAAACCTATT** TTCCCTAGAAGACATA GAGTGGGATTTGATAACACTGTCTGTTATTTTCTGTACCTGCCCGGGC >MPM2000-002P8_breast_Table1_234 ACTITIGITITIGATITAAATTAAGAGATTCCCAAATGCCTTTTTCCCCCTCATCTTGAAATGAG ATGAGTTTTTATGTGT AAGCAATATTTATTTAACTATTCTATAAAATTATTGAGTGCCTACTGAGGCCTTTAAGCACCGC TAACATTCCTTTCCAT CATTCTTTAAATGACATAAAATAATTGTGCAATGTTCCTGATGATGT >MPM2000-002P8_breast_Table1_235 CCCCTTGCCCTCATTC

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TTGAACAGCTGGAGGAATACATTTTATTCTGTCCATGAAGCATACACTATGAAATTCAAGTGC TTAAAAATACTTCTATG **ACTCTCTGCTATCCCACTGTATAGATCCACAGGGAGCAAACACTTAGAAATGATAGAGAACT** GAAGGAGATCAATGGTTT AACAGTTATCCATGCCAAGTCCCATTGTCAGAAATATTCTTATTACTCAGTCAAACACTCTTTG **AGCTTCCCTTGCTAAA** GGTAACCATTCCAGTGAATAGATGTGCCCTTTTATAAGGAAACTTCTGATGTTTATTAAAAAA **AACTGGCCTTTTGATAG AGGTAACTTAATTTGGGAATTT** >MPM2000-002P8_breast_Table1_236 TTTTAATCATTCATATTGACTTAATCAGGTTGACAAAATCTCAGGGTTGGTCTGGGATCATTC **ACAAATCAGAATTACTC** AGAGAAATTTTCACAGCAGTTGCAGCAGCACAAACTCTAACGCTGATTTAAATTAATAACTGT TATTAATGAACAAACTT GAAAAAGGAATTTCATATAGAACATTACATTTCTCCCTGACACTACCGTATCATAAAAAATTAAA **AATGATATAAACATGT** TTTAAAGTCATAGTGGTAGAACCAGCCACACTACAGTGCGGCATTGTTAGAAGTTCGCTCTC **AAGTTGACTCAGCTTAGT** AAAGCAAATTGTTCTCTGAGATTTCAGCTTTGGTTAGTCCTCTTTGGCTGACATGAACATTAT **GGAGTGTTAACTTGTGG** TAGCAACACATAACCAAAAAGCATTCTTTTAAAATA >MPM2000-002P8_breast_Table1_237 GAGCATCTTCCAAACCT GATACATTTTTGACTGCTACTGTTAGATCTAAGAAGTCTTCCTGCCTCTCGCTAACGTTCTTA CATTCTTTACAAACAAT CTGGTTAACAATGGTTCCATGGTACCTC >MPM2000-002P8_breast_Table1_238 ACTCTTTGAGGACATTTTTGTCAGATTAACTATAACAGTGTAGTGTAGTTTTTAAAATTGCAGT TGAAAAGTTTAGCTGT CTTGGAAGTCAAATTTATCCAATTGTTCAGACTTCTGTTACTACTTAATATGAAGCCACCATG CTGGCTTGGACAGAATT **AATTTCATTCATGTTATGGAGAATTCTATATTACAAATCTGGTCCCCTATAATATGAACAGTGA GCAGTCAGAAATATAC** AAAGGGTTAAATAGGGTAAAGACTTTGGCCAAGAAAGGAAAGGCCTTAGTTCTACCATAGAG TATCTTCTCTAATTAAAA TGACTGGGAAATATATGGAAGCAGAAACCAGCACAAAGCACTACCCATCTAGAAAT >MPM2000-002P8_breast_Table1_239 ACTGCTAGCTGGAAAAACCATATAGAAAACATGATGACCATGTTGAGTTGTTGGTGCTGAGG CTGTGAACTCTTTGGCTT CCTTCTGATGGCCCTCTTGAGAACAATCTGT >MPM2000-002P8_breast_Table1_240 GTTGGGTTTGATTTGCTTTTTAATGCAGCTCTTTTAATAAAGATTCTTGATACAGTG AAATCTCTTATTTCAA GTGTAAGTTATTCTTCACCCACCCCTTCCCCTGCCATTGTATTTCCCATCTGTTTCAAGGAGT TCCAACAATTTACATTG CATCGAATGCAGTAGGTC >MPM2000-002P8_breast_Table1_241 CGCGGTGGCGGCCGAGGTACTTATTGAGTGCTTGTATGCACCAGGCTCTGAACTAAACGCG CTCCATATTACCCCCATTT AAATTCTTACCATTATTCCTGTCTTACAGAAAGAAAAAAGGCATGGTGAGTCACACAGTTCAC **AAATGAGGGCTAGAACC** AAACCCAGGCACTGTGACCTGCTACACAGGAGAGGCAGATATGAAGATTTCTTCAAGGGTG CTTATTACAGCATCATTTA TAATAGCAAATAAAGT >MPM2000-002P8_breast_Table1 242

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CACCTTTCAGAGGT

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ACTTTTTAAAAAATCTATAAATTTAATGCACTGTCCAAGTGAAATGTCCTAGTTGTCATTGTGA

CCAGGCAGCTAGCAGAGATACTATTCTCTCCCCAGCAAATTTGTATTCCTTCGCCCACGCATTCCTGCTATACTA

GATGGCAGCCAGTGATGGAACTATAAAGATGTCTGTGGTCATATGTTGAATGTGGCAGCTTG AAGATGT

>MPM2000-002P8_breast_Table1_244

TTTTTCTTTTTTACAATAGGCCAGTAGAATTCTTATGAGAACAGCTTTTTAAGCACTTCAATGG AGTGTCATTTTTTTGG

GTATAATATGGT

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ACTITITGCTTTTCTTTTGAAAGTATGAAAATGATTTTTACAATGTAAAGAGAGTCTGAGAAAT GCAATTGCTATTCTTT

TTATATACTTTTTCAGATTTTTTATATGCTTCTTTACTACTTACATCATAATGCACAATTTTATAT ACTGATTTTTTCAA

TCAATGTATATCATGAGTTTTTAAAATAATGCTACAATCTTCATAACTAATATTTTAATGGGGAGTGACTGCTTAATTGG

CATGAGGTTTCCTTTTGAGATGAGGAAAATGTTCTGAAAATATGGTGATGGTTGCACACCATT GTGAATGTACCTGCCG

GGCGGCCGAGGTACTTGCCTGGGAGAAGGCAGCGGACGCATCACTTGCACTTCTAGAAATAGATGCAACGATCAGGACAC

AAGGACATCCTATAGAATTGGAGACACCTGGAGCAAGAAGGATAATCGAGGAAACCTGCTTCAGGCATCTGCACAGGCA

ACGG

>MPM2000-002P8_breast_Table1_246

ACAGGTCCCCAGCTTACTCCAGGGATGATGTCAGAAAATGAGGTCCTAAACATGCAGCTTTCGGATGAGGACAAGGAGA

TGTCCCTGTTGATGAAAACAAACTCCATGGTAAACCTGATAAAACCTTGCGCTTTTCCCTCTGCAGTGATAATCTGGAAG

GAATATCTGAAGGTCCTTCAAATCGCTCCAATTCAGTGTCCTCCCTAGACCTAGAAGGAGAG TCTGTGTCAGAACTTGGA

GCAGGACCTTCTGGCAGTAATGGAGTTGAAGCTCTACAGCTGTTAGAACATGAGCAAGCTAC AACACAGGATAACCTTGA

TGATAAGCTAAGGAAGTTTGAAATTCGTGACATGATGGGATTAACAGATGATAGGGACATA > MPM2000-002P8_breast_Table1_247

GAATGTTATCAAAGCTTAACTTAGAACATAAATAGTTAAAAAGGCAAACTCAAGTTTTCATCTC
ATTTATTGGCATGGTG

TGTTTTGTTTTCCACAAGCTCTCCAATCAGTGAGAGTCTTGAGTCTCAGATGT >MPM2000-002P8_breast_Table1_248

AGGCGCCCGTAACGCTTTATAACAGACGCCTCTAGACTTCTGTGGGGGTAAAGTGAAGGA

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TGTCTGTTCACACTTCCACTTTCAAAGCTAACTACTAGCTGTTCAAATATACTCCATACAGCTT **TCAGCAAATCAAAGTG** TTTACCTCTCCCACACCAAGGGAAGAAAAGATGCAGACTGCCTTTAAAGCACCTGTCAGCAA **GGCGAGAGGTTTTAAAAG** ATCAGCCTTGAGAATCAAAGCAGCAGCAGAAGTGTCATTACTCCAGTGCTCTCCTTTCCGTT CGTGGGTCACACAGAGAC AGGCACA >MPM2000-002P8_breast_Table1_249 ACCCATTGGTCTTACAGACAAGCATCAGGAACCAGAGGGCCTGGTGGGGCTGGGAGGAAG CTCGGCAGTGACAGCTGAGG TGCTCATGTCCTTCCATCCCACTGCCCAGTGGATAATGAGCTCATTAGTCAGACGAGGACCA **GCCCAGAATAGCCAGGAG** TAAGCATGTCACATTACAGAGCTGTAGCCAGCTTCTGGGTGGAAATAGCACTATCTGGT >MPM2000-002P8_breast_Table1_250 ACCCTTTTTGCACACTGTCAGCAAAACACGTCCCTTTGAGTATCTCCGGCTCACCAGCCTT **GGAGTTATTGGGGCCCTG** GTGAAAACAGATGAACAAGAAGTAATCAACTTTTTATTAACAACAGAAATTATCCCTTTATGTT **TGCGAATTATGGAATC** TGGAAGTGAACTTTCTAAAACAGTTGCCACATTCATCCTCCAGAAGATCTTGTTAGATGACAC **TGGTTTGGCTTATATAT GTCAGACGTATGAGCGTTTCTCCCATGTTGCCATGATCTTGGGTAAGATGGTCCTGCAGCTA TCCAAAGAGCCTTCTGCC CGTCTGCTGAAGCATGTAGTGA** >MPM2000-002P8_breast_Table1_251 TACCCGGGCGAAGTNANTNNGGGGAAAANTNCCCCCCGGGCCGNCCGGGCANTTTTACN **GGCACANGGTTTTAAGCCNC** NGAGGGGTTTTTGAAANCCCCCCANGANACCNNANGGNGCAGGGGTTTTNNTTTAAAANA AGNNGGAACCGCCGGANGA NGAGGGANGGNAAAAACACCCNGGGGAAACCNAANAANCCCNAAAAGGGGNCAAGGNGGN **AAAACCCCCAAGCNAACCCN** GGGGGGNCCANGGAAANNCNGGGACNAAGACCCAAACCAAANGGGNNGGANGGCCGCC NGGGGACAANNNCGGGCCNA CNACCAAGGGGAACAANCAANNGGCCGGNAANNGGCCCNCAAGGGCCNGGNAACAAAAN NNNNCNAACCCCGGGGAANN **AAAGGGNGGCCCCGGGGGG NNCNAAGGNAAGGGGGAANN** NNNAAAAGGGGNANNNNNNNGGGAAAAAAAAAAGGGGGGANAACCNGGGAAAAAAGC >MPM2000-002P8_breast_Table1_252 ACAAAATAACATCATAAATAACATAAATGAGAAGTTTTCAAGTATTTCAATGTGCCTTGAAAAG TTTCAAACAGTAATTC **AAAGAAATGCCTCCA** GTCTCTGTTAGCCCCGATGTTTGGAATGAAATTAACAAGATTCTACCTTAAAAAGAGAAAACTT **ATGTGGGCTTTTCAAAT** TGTGAAAATTTGTTCCCTCTTATAAAATATAATCTTTCCCCTGCTGCTGGTTTATAAATATGGG CATATAGCCCAGAGCC **ATTATAAAGAAAAAACAACCAACCAACAATAAACTAAGGAGCCTCATCTGATGGCTAAGGGTTC TCAGGAAAAAATGAGAA** GAGCACCTTTGATCAGGAAAAGGAAAAAAGGA >MPM2000-002P8_breast_Table1_253 TGGAAGAGAAGTTACCCCGATGACTTGGTTTGGAAGGGGTTAAGGCACCAGTCATCCTCTC TAAAGTGATTTATGATGA CACTCTGAACGTGCTAAA

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ATGGGAAGGAGGCGGTGTTTTGCTGATCTGTTAAATTCTTAGTGAAGTTTCCTTGATTTCCAG TGGCTGCTGTTGTTTGA GTTTGGTTTGGAGCAAAACTGAGGTAGTCCTAACATTTCTGGGACTGAATCCAGGCAAGAGA AAGAAGAAAAAGAAGAAG AAAAAGTCCCTTTTCGACA TCACATTCCTGTGTTTTCCCTCAG >MPM2000-002P8_breast_Table1_254 CGGCCGCCGGGCCGGTACCTTTAACTCAATTTAATATAACAAGAAATCGTAAAATACTTATA **ACCTATCTTAGAGAAAT** GAGTGCTGGTTTTGAGAGTTGTTTTTTAACTGAAAGATTATTTCTAGATGGTAGTGCTTTGT GCTGGTTTCTGCTTCCA TATATTTCCCAGTCATTTTAATTAGAGAAGATACTCTATGGTAGAACTAAGGCCTTTCCTTTCT **TGGCCAAAGTCTTTAC** CCTATTTAACCCTTTGTATATTTCTGACTGCTCACTGTTCATATTATAGGGGACCAGATTTGTA **ATATAGAATTCTCCAT** AACATGAATGAAATTAATTCTGTCCAAGCCAGCATGGTGGGCTTCATATTAAGGTAGTAACAA GAAGTCTGAAACAATTG GATATAATTTGACTTTCAAGACA >MPM2000-002P8_breast_Table1_255 ACATTGTGGTAGGTCCAGGAAATATGACATTTTCCCCCTTGATGTTATTGTTGTTGTTGGG TGGGGTGGGCATTTTGT TTATTTGTTTGGTGGCAATCAGTGGTAGTAGGGAGTGGGAGGGCTTATATTGGTTTTTCCAG **CTATTAAGGGGACATATT** GTGTCGTTGTGCTTTTCACGTTATAAAATGTTTATATTTACCAGT >MPM2000-002P8_breast_Table1_256 **ACTTCCATAAGCTTGGATTTTAAACACTGATAGTATCTCATGAGTAATGTGTGTTTTGGGAGA GGGAGGGATGCTGATTG** ATATTTCACATTGTATGAAATACCATGTTTGAAACTCATAGCAATAATGCTATGCTGTTGTGAT **CCCTCTCAAGTTCTGC** ATTTAAAATATTTTTTCTTTATAGGAATTGATGTATACCATGAAGTCATTGTCAGTTGTAGTA GCTCTGATGTTGAAT GAGATATCATGTTTTAGCATTCCATTTTACTGACTAGGGTAGAAGAACACTTTTCTTGGCTAC **ATTTGGAGGATACCCAG** GGAGTCTTGGGTGTTCCTTATCTGGGGAAGCAAACATTTCACTAGTC >MPM2000-002P8_breast_Table1_257 ACATTTTTTAAAGTTCCTCAAAAAATTCTGCTTCTAGGCAAATGTAATAGATATTGTGCGTTGC **TCATGTTTTTCCTATC** AGAACCATGATTTTAAAAAAACTATCCTTTCTGTCCCCATATATCCCTCATGTGGCCTCCACT **TCTACTCTCAGCTCCAG** TGGACCTGACTGCCCTAAAGGTTATTCTAGACCCTTTGCCAGTGACTGGCTCAGGGATGGA CAGGTCTAAGTTACTTTAG AGCAATGAGACCTAAGGATATGGAAAGTGAATTCTGGGAAAGCTTTCTCATACTAGGACAGG GCCCCTAGAATCCAGCCT GACTCTTCCGCTGCATGTAAATGAAGATGCACAAGGCTCCAACTGCTACTGGCAATCATCCC ATGAC >MPM2000-002P8 breast_Table1 258 ACTGCTAGCTGGAAAAACCATATAGAAAACATGATGACCATGTTGAGTTGTTGGTGCTGAGG CTGTGAACTCTTTGGCTT CCTTCTGATGGCCCTCTTGAGAACAATCTGT >MPM2000-002P8_breast_Table1_259 ACAACAAAGCCTGTGAACTGGCTTAAACCAGTTTACATGCTGGATTCCGACCCAGATAATAA TGGATTCATAAATGAGGA TTTTATTGTTTGGATGCGTACCTGCCCGTTCGTTCGGCTTACCAGGTACTCCACGAGGGTGT

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TTTCTGTGCCCAGCAGGG

CCATGAAGGCCCCCACTTTTTTTGGATAGGCCGGCTTTGCTGGTGACTTCTTCCAAACTAT **GCAG** >MPM2000-002P8_breast_Table1_260 GTCTGAAAGTCGATGAAGGACGCGATTACCTGCGATAAGCTTCGTGGAAGTTGGAAATAAACT **ATGATACGGAGATTTCCG** AATGGGGTAACCTAACTGAGCAAACCTGAGTTGCATTTTGATGAATCCATAGTCAAATTAGC **GAGACACGTTGCGAATTG AAACATCTTAGTAGCATCAGGAAACGTAAACAAAACCGCAAAATTATAAAGGCTTG** >MPM2000-002P8_breast_Table1_261 ACTGTATAGGCCATATTCCTTTACGTGGGACATTAATGAAAAGCTGTCTTTTCCAAACTGAAT **GCGCCTATTAATAAAAA AATACACCTGACCATCTAATGCTGAAGTCATCCGCCAAGGTGGT** >MPM2000-002P8_breast_Table1_262 GAAAGAGAAATCAAAGA **TCATGGAAGTTCGGGGA** AATTAACTGGATCTACTTCTAGTCTAAATAAGCTCAGTGTTCAGAGTTCAGGGAATCGCAGAT CTCAGTCATCTTCCCTG TTGGATATGGGAAACATGTCTGCCTCTGATCTCGATGTTGCTGACAGGACCAAATTTGATAA **GATCTTTGAACAGGT** >MPM2000-002P8_breast_Table1_263 TTTTTTTTATACAAAAAG TGGTGCCTCTCTCTTGC AGCTATGAGGCGACAGTGTGGTGACATGCCTCATACAGACTGTCCCAGTAAGCCAGGACAA **GTCACCATTAAAATCTTGC** ATGAACAGCCCTGGGCACGTGGGAATGTTAAGAAAGAGCCACCGCCTCCTTAGTCAGCTTA **ACCACAGCTCCAAACGCAG** TTTGTCCCAGCTGGCAAACGCCTCAAACACCAATCATGCGTCGTGCTCCTATTCTGGGTTTT TATAAAACACTTTTATAT AGAGATATAGATAGCACAGTAAATGTGCTTCTGATGCACTCTAACATAGAGGACA >MPM2000-002P8_breast_Table1_264 **GGATTTCTATTTATCCATAG ATAGGTATCTATACATACACATCTCAAGTGCATCTATTCCCACTCTCATTAATCCATCATGTTC** CTAAATTTTTGTAATC **AGTCCAAACTGATATAT** CCTATATTCTGTTAAAATTCAAAAGTGAACGAAAGCATTTAACTGGCCAGTTTTGATTGCAAAT **GCTGTAAAGATATAGA** ATGAAGTCCTGTGAGGCCTTCCTATCTCCAAGTCTATGTATTTTCTGGAGACCAAACCAGATA **CCAGATAATCACAAAGA** AAGCTTTTTTAATAAGGCTTAAACCAAGACCTTGTCTAGATATTTTT >MPM2000-002P8_breast_Table1_265 ACACGGTGGACCTGGAGTCAGGGCTACACTACCTCCTGCGGGTGGAGCTGGCAGCCCACA **AGTCCCTGGCCGGAGCAGAG** CTGAAGACGCTCAAGGACTTTGTGACTGTCTTGGCCAAGCTGTT >MPM2000-002P8_breast_Table1_266 ACCGCGGTGGCGGCCGAGGTACTTTGGGGGAGAAAAACATGATTCCATTTACGGGGAAAAA **AGCCATTGACACTCAGTAA** GCAACACTGCCATCTAGTGGAATGGTGACACACCACCAAGAATTTCAAGACCCGATAGGAAA TGTGAGTGGATTTGGTTT CAATTTTCACCACAAAACAGCACTTTTAATAAGCTGGTTTTCAGAGAACTTCAGATTTTTTTGA GAAACTACTTTTTATC

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TTTTCTTATTAGAGCAT CTTCTGCTTGACAGTCT AAC >MPM2000-002P8_breast_Table1_267 ACTCTTTGAGGACATTTTTGTCAGATTAACTATAACAGTGTAGTGTAGTTTTTAAAATTGCAGT TGAAAAGTTTAGCTGT CTTGGAAGTCAAATTTATCCAATTGTTCAGACTTCTGTTACTACTTAATATGAAGCCACCATG **CTGGCTTGGACAGAATT** AATTTCATTCATGTTATGGAGAATTCTATATTACAAATCTGGTCCCCTATAATATGAACAGTGA **GCAGTCAGAAATATAC** AAAGGGTTAAATAGGGTAAAGACTTTGGCCAAGAAAGGAAAGGCCTTAGTTCTACCATAGAG **TATCTTCTCTAATTAAAA** TGACTGGGAAATATATGGAAGCAGAAACCAGCACAAAGCACTACCCATCTAGAAATAATCTT **TCAGTTAAAAAAACAACTC** TCAAAACCAGCACTTATTTCTCTAAGATAGGTTATAAGTATTTTACGATTT >MPM2000-002P8_breast_Table1_268 TTCATGGTCAAGCTCTAAGACACAACGAGCTCTGTTATTCAAGAAATCAATTCCAGTGGATTT CCAGTTCCAATTCCTGA GAACTAGGGTAAGGGGGAGAGCTAATGGTTGCTTCCTAAGGCCTTCTGGGTTTATTAGTTCC **ATTTCAGGACATGACAAG AAAATGT** >MPM2000-002P8_breast_Table1_269 AGTTGACAAGAGTGTGAAG ATACTGGAGAGGGGTTCAAAATAGGATCAATTCTTCTAATACTATTCTTATTTCTTGCTAATAA TTTGTCCTTGTAATTA TAGTGAAGTAATGGTCTGGATATAAATGAGATATGGTTTTGTGAGGAAGAAACATAGAGGATT ATTCTTAACAACTGTGG CAGCCTTGCCAATATGGAACCCAATTTCAGAGTTTGTGAAATGGTACCTCGGCCGCCCGGG CAGGTACATATTTCCAACC **TGTGTGATCTCAAAGATTTCA** >MPM2000-002P8_breast_Table1_270 GCGTTCTCAGGCTCATTGCAACCTCTGCCTTTGTAAACATGCTATTAAATGTGGCACTGAAA GACTGTTTTTAACGTGAT CTTGCTATTAAGTGGTAATGAATGTTCCCAGGATGAGGATGTTACCCAAAGCAAAAATCAAG **AGTAGCCAAAGAATCAAC** ATGAAATATAACTACTTCCTCTGACCATACTAAAGAATTCAGAATACACAGTGACCAATGT **GCCTCAATATCTTATT GTTCAACTTGACATTTTCTAGGACTGT** >MPM2000-002P8_breast_Table1_271 ACATCCACAGGAGGAATCGGACGAGAGGATGTGACATTCGGTCCAGGAGAGAAAGAGCAGT TTCTGTTAAAGATGTAACA AATGGATTTCCAAAGTCTACATGACATTCACTTTTCAAACTTCCCACCAGTTGAATTTCTTTTT **TTCCTTAAGAAACAGG** TGATGTCTTGGAAAACAGCTCCTTATGTCTCTCTGTGCATCTCCATTTTCCTAGTCTCTGGAG TCTCAAAAAGAGTGGCA AAGCACTTTACAGTAGTAACTGAGGAATCAGAGTCTCTGCTTCAGCGATATCTAGTTTGT >MPM2000-002P8_breast_Table1_272 ACTTGTCAAATGAAAGAACAGGGATTGCCAGACCTTCAAGGCAATGGGAAAGGAGCAAATCT **GCAAAGGTAGGATCTCTT** TGGAAGGCAGGTATTGGCCACCAAGTCAAACTCCTTGAGTCTTATATTCTGATTGGGATGAT **CTCACATGGATGTTCATC** TCTTATATGTGAATGCTCATTTGTGAAAAATAGTAAGAGCCAGCTAGGATATTTGGATTCAGT

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CAGGCACCATCAGAATA

GTGCAGTGAAAGGCCAAACTGGCCACAAGACAGAGGAATGTTTTCAGTTTTCTGGTTTTCCT CTGGTCCATGATAAAGCT CGGAGTAACTCTTCTATCAAGATGGGGCTATACCTTCTCATGACAGAGGCTGGCAATTGAGC **TACCCAGCAGAACGTGTG** CTCTCAAAAGGAAGTCAAGGGAACT >MPM2000-002P8_breast_Table1_273 CAGGCAAGGAGAACTGTGCTATATTGTTGGTGCTTGCTGTTTTGCTGGACATCTTCAATTATT **GTTTTTACCTGAAATCA ATTCTTCTAAAACTACT** GCCTTTCAAAGTGCACACACGCGTCCACATACACTGCATTCGTTGCTCCAGTATAAATTA CATGCATGAGCACCTTTC TGGCTTTTAAGCCAATATAATGGGCTGCAAAATGAAGACACCAGAGTGTATGCATACAAATCT CACTGTATTAAAGATGC **AGGTTTTCTAATTGT** >MPM2000-002P8_breast_Table1_274 TTTTTTTTTTATCAAAAATATTTAATTAACAAAAAATAAATTATACTATACATNCTATACTGGGAA **ATACATGGAATAATG** GCTAAAATAAATACAGGCAATTAATTCAACTTTTTATAAGAATGAGAGAATTTGACATTTGAAT **GTTATCAAAGCTTAAC** TTAGAACATAAATAGGTTAAAAAGGCAAACTCAAGTTTTCATCTCATTTATTGGCATGGTGTG TTTTTGTTTTCCACAAG CTCTCCAATCAGTGAGAGTCTTGAGTTTCAGATGT >MPM2000-002P8_breast_Table1_275 ACACACGAAAGTGTGTATTTTTACTTCCAAAGTGGTGATAGGTATATTGGCCTTTTCTAAAAG **AAAATAAAAACAAAAAG** TTAAAATATTGAAAGTTTAAATACTTCTTTCACAGAAATAAACTATTCAATTTTAAAAGGTAGAG **AGAGAGAAACATTTT** ATTCTTTCTATCATGAACATCAGTCAACCAAGCTTCACATTTTGGGCAGGATTTTTAAGTATA **AATTTTTTAAGAACTT** ATTTATTTTAAAAAAGGAAGAACAGGTTTATTTTGGCAGAAAAGTAAAATAGAGAATATGCAA **AATTTGTCTTTAAGAT TGGCATACAAAATTTAAAAACACAGT** >MPM2000-002P8_breast_Table1_276 GATATCTGCAGACA **GGTTATTGATTATAGAGACCCAAGAAAGCAACTCAATAATTGTTCAAAGTTTTCCTCACTGAC TGCTGGTGTGTAGTTTA** AGAAGCCCCATTTGTTTGCACTCAGAATGCCTTATCTTCTTTTAATGGAACACTTGATGTGG AATTTTAAGTCTGAGAA GTGAGGTGCCTTCTGAAGAAGAGATTTTAGAGACTCCCTTCCTCTATAAGTTGGAAATGACC AGAAGTCTTAAGTAGACG ACAGTTAGCTGACTTTGACATTGTAGGACGTAATCAGCTTTTAACCAAATTATAGAACTGGTA **AAGGGTAAAGATCAAAT** TTGCCAAAAAATAAAATATTC >MPM2000-002P8_breast_Table1_277 ACAGCACTGGGCTTTATAAAGACTGCACTCAGAACCACACTGCACAGTCCAGTTTTTTAAAAA **GCTGCTACATGACAGAC** AGGTAATCCCACTGAGTGAGTTTTGAGAAACAAATCAAACGAAGTAAACAAGAAACATAAAAA CCAAATAGCAAATGAAT AAAAGCCTGTTCTTGTAACTTATTCAACTTTTGCCAAATTCCTACCAATCACTTGCTTTTTAAA **AGAAATGTATAATAGC** CAAAAGAGAAATTATGTCCCTGTTGT >MPM2000-002P8_breast_Table1_278 **TAGCAGTGCTAACA**

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>MPM2000-002P8 breast_Table1_279 ACCTAACCTACCTTTAAGACTGGGATAACTATTGGAAACAATAGCTAATACCGGATATAGTTA TTTATCGCATGATGAGT **GGGTAATGGCCTACCAAG** ACGATGATGTTTAGCCGGGCCGAGAGGCTGT >MPM2000-002P8_breast_Table1_280 ACAGTGCCAGACCATGACTGTCAATCGTCAGATGAAGCGCTACAACGTTCCGTTTCTAACTT TTATTAACAAATTGGACC GAATGGGCTCCAACCCAGCCAGGGCCCTGCAGCAAATGAGGTCTAAACTAAATCATAATGC **AGCGTTTATGCAGATACCC** ATGGGTTTGGAGGGTAATTTTAAAGGTATTATAGATCTTATTGAGGAACGAGCCATCTATTTT **GATGGAGACTTTGGTCA** GATTGTTCGATATGGTGAGATTCCAGCTGAATTAAGGGCGGCGGCCACTGACCACCGGCAG GAGCTAATTGAATGTGTTG CCAATTCAGATGAACAGCTTGGTG >MPM2000-002P8_breast_Table1_281 ACTTGTTTATAGACTCAAAACATGATGAAAATTCATTTCATTGTCTTCACTGAATAGACTTAAC **CTTGACAGTAAGCTTA** AAGCATTAGTGTCATTTAATTACATGTCTGAGGAATTTATGCTAACTAGATTTTGGGCTTTTGC **AGCGAATTTTAGTCGG** GGCCTCATTCCTGAGCCCAAGTGACCCTTTCACCTCAGCTTCCCAAGTAGCTGGGATTACAG **GTGCACACCAACTGTGCT** CATCATAGCTTTGCAG >MPM2000-002P8_breast_Table1_282 ACAGCACTGGGCTTTATAAAGACTGCACTCAGAACCACACTGCACAGTCCAGTTTTTTAAAAA **GCTGCTACATGACAGAC** AGGTAATCCCACTGAGTGAGTTTTGAGAAACAAATCAAACGAAGTAAACAAGAAACATAAAAA **CCAAATAGCAAATGAAT** AAAAGCCTGTTCTTGTAACTTATTCAACTTTTGCCAAATTCCTACCAATCACTTGCTTTTTAAA **AGAAATGTATAACAGC** CAAAAGAGAAATTATGTCCCTGTTGT >MPM2000-002P8_breast_Table1_283 ACGGATACAATTCCGCTGAGTTAGATTCCAAATTCTAACCTCTCCATCACACGCCCCAGAAA **GGACAGTAGCCAGCTTCT** CTGGATGCTTTGCCAAGCAATTGACTCCATCACGGTGACCATCCAGCGAAGCAAGGAATGG TTTTGCAAATACTCGTTCC AGTTTGGTAGCATTTAAAGCTCTTATATATTCTCGTGGGACCTCAAAAGGATGTAAA >MPM2000-002P8_breast_Table1_284 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT CTGATGGCACTTTTGAGCTCCTAAGCTGCCAGCCTTCCCTTCTTTTCCTGGGTGCTCAGGGC ATGCTTATTAGCAGCTGG GTTGGTATGGAGTTGGCAGACAGGATGTTCAACTTAATGAAGAAA >MPM2000-002P8_breast_Table1_285 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG

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CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT CTGATGGCACTTTTGAGCTCCTAAGCTGCCAGCCTTCCCTTCTTTTCCTGGGTGCTCAGGGC **ATGCTTATTAGCAGCTGG** GTTGGTATGGGAGTTGGCAGACAGGGATGTTCAACTTAATGAAGAAATA >MPM2000-002P8_breast_Table1_286 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT CTGATGGCACTTTTGAGCTCCTAAGCTGCCAGCCTTCCCTTCTTTTCCTGGGTGCTCAGGGC **ATGCTTATTAGCAGCTGG** GTTGGTATGGAGTTGGCAGACAGGATGTTCAACTTAATGAAGAAATACAGCTAAGGCCTTGT CAGCAACACCTGCCGTAA **GTTACTGACTGAG** >MPM2000-002P8_breast_Table1_287 ACTTACATGGGTGTTTTGATCTCTGTTCTTTCATACTACATTTGAACAGGGCAAAATGAACTA **ACTGCCATGTAGGCTAA** GAAAGAAATGCTAACCTGTGGAAAGTTGGTTTTGTAAAATTCCATGGATCTTGCTGGAGAAG CATCCAAGGAACTTCATG CTTGATTTGACCACTGACAGCCTCCACCTTGAGCACTATTCTAAGGAGCAAATACCTTAGCT CCCTTGAGCTGGTTTTCT ATGCTTATTAGCAGCTGG >MPM2000-002P8_breast_Table1_288 ACAGTAAACATTATTCAGTGAGAGGATCAGAAGGAAACAAATGGCATCTTTTCAGAACGCTGT CAACTGTTCCCACAACCC AAGTCTGTTTTTCCAAGTTGCACAAGTGCTTGGAATAACTCTGAAACAATTCTCTTCAGAGTT TAAAGGCTTCAGAGTAT AGGTGATGCTTCCTAAAACAAGAAGCCTGTATTAACATCACAAATTGGAACTCATTCCAAAGC CTCTTCTTAGAGAAAAA AAAATAAAGAAATAAAAAATAAAAATGTAAAGAAGGTCATGAAAAATTCACATGCAGCTAATT **ATCGTAAAAAATATCA AACACA** >MPM2000-002P8 breast Table1 289 ACAGCATTGATGAACACTTTCAGCCGAAGCAGATTGTCAAGTCTCTTATCCCTTCGTGGAAC **AAACTGGTTTTCTTTGAA GTATCTCCTGTGTCCTTTCACCAGGTGTCTGAAGTGCTGTCTGAAGAAAAGTCACGTTTGTC** TATAAGTGGCTGGTTTCA TGGTCCATCATTGACTCGGCCTCCCAACTACTTTGAACCCCCCATACCTCGGAGCCCTCACA TCCCACAAGATCATGAGA TTTTGTATGATTGGATCAACCCTACTTATCTGGACATGGATTACCAAGTTCAAATTCAAGAAG **AGTTTGAAGAAAGTTCT** >MPM2000-002P8_breast_Table1_290 **ACATTGTGGTAGGTCCAGGAAATATGACATTTTCCCCCTTGATGTTGTTGTTGTTGGG** TGGGGTGGCATTTTGT TTATTTGTTTGGTGGCAATCAGTGGTAGTAGGGAGTGGGAGGGCTTATATTGGTTTTTCCAG **CTATTAAGGGGACATATT GTGTCGTTGTGCTTTTCACGTTATAAAATGTTTATATTTACCAGT** >MPM2000-002P8_breast_Table1_291 TTTTTTTTTTTTTTTTGTAAATTTTCAATAGGTNTAATTNTTAAATAAACCAAGGTTTTAACATT **AAACAGGTCAACGT**

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Table 5

GGATGAAACTTTTTTTCTTTTAATGTCAGCTAAACTCAAAACACAGTTTTGTTCACGGTTCAAA CCAAACAGCTCTTCAC **AGACACAGAACTGAACAC** TGAGTGTATCTGGGACTCA AGCTGGGAGTTTTCCAGGGGAGAAAGCCTGGGAAGCCTTGTGGCAAGG >MPM2000-002P8_breast_Table1_292 CACCGCGGTGGCGGCCGAGGTACCGATTTAACTAACTGTATTACTGAACTCCTTTGAACTAT TTTGAACTTTGAATCTCT TCTCTGAATAACTGCCGAAACTCAAAGATAATAATTAGTTGATGAAGGTTATCAATTAATAAAA TAACACAGACCAGTCT TACCAAACTCTAAATACATTTTAAAAAATTTGTTCTGGCAATGATAAAAAAGAATGTTGAGT >MPM2000-002P8_breast_Table1_293 ACAATAAAGTTCACCCACCCTGCACTTTGGCCCTTAGATCAATCCTAAGTAGCCATTGCCAG **TAGGCCAAGTTTAATCAG GATGAACAGCTAATACA** GAGGTCATATCCCTTACA TCTCTACCAGGTATTAACACCTAACTACTCTCTAGCCAGAGGCAATTCCCTTATTTCCTTAC TCTCGTCGTCTTCTCTT >MPM2000-002P8_breast_Table1_294 ACATAACATTTCAAATATAAGTGGAAGGATCATCAGTAGTGTTATCAAAATGCATAATACAGA AACTTTTTAAGAAAGGA GCAGGTTTTTATATGT AGATAGGATTTTTTTTCCTTTTCAAGAATTCCATTGTAGCCATGAGATGAAAAATGTATTATG **GTAATGGTATAGCTTT** CTTCTATTTTGCTTTTAGTGTTAGGTTTGCTAAAAGCTTATTTAAAATTCCCAACTGACATAAT **GTGTTTTCAATAAGGA GGACGCTG** >MPM2000-002P8_breast_Table1_295 ACTGATTTAACACTCTGTATTACTGAACTTCTTTGAACTATTTTGAACTTTGAATCTCTTCTCT **GAATAACTGCCGAAAC** TCAAAGATAATTAGTTGATGAAGGTTATCAATTAATAAAATAACACAGACCAGTCTTACCA **AACTCTAAATACATTT** TAAAAAATAGGAACTGGCAATGATAAAAAGAATGTTGAGT >MPM2000-002P8_breast_Table1_296 ACAGCACTGGGCTTTATAAAGACTGCACTCAGAACCACACTGCACAGTCCAGTTTTTTAAAAA **GCTGCTACATGACAGAC** AGGTAATCCCACTGAGTGAGTTTTGAGAAACAAATCAAACGAAGTAAACAAGAAACATAAAAA **CCAAATAGCAAATGAAT** AAAAGCCTGTTCTTGTAACTTATTCAACTTTTGCCAAATTCCTACCAATCACTTGCTTTTTAAA **AGAAATGTATAACAGC** CAAAAGAGAAATTATGTCCCTGTTGT >MPM2000-002P8_breast_Table1_297 CCGCGGTGGCGGCCGAGGTACACCACTGGGTTTTTATAAAGACTGCACTCAGAACCACACT **GCACAGACCAGTTTTTTAA AAAGCTGCTACATGACAGACAGGTAATTCCACTGAGAGAGTTTTGAGAAACAAATCAAACGA AGTGGACAAGAAACATAA** AAACCAAATAGCACATGAATAAAAGCCTGTTTTTGTAACTTATTCAACTTTTTGCCAAATTCCTA CCAATCACTTGCTTTT TAAAAGAAATGTATAACAGCCAAAAGAGAAATTATGTCCCTGATGT >MPM2000-002P8_breast_Table1_298

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ACTATGTCAGATCGTATGTAACTAGCTGTCAGGTCTTTCCCCGTTGCCTCAGCCTTTCTACAC AGACTGGCCTTCAACTT CCCCTGAGTCCAGAAGTAGACTCTTTCAGCAACTCTATTCAGGAATCTGCAGCAGGAAAACT GCTTCCTCTATTAACATC TATGACTGAAGCACAGATGTGTCTAATAGAAATCACCCTTCACCCAAAAGCTGGGTGCAGAA AGGGAAGCCCTTAGCTGA CTATAGGAGGTGCCTCTTGTGGCTCCACGTGCTTCTTACACACCACCCCCCAGCTTGAGCG **ATGCCTCAGCCAGCTCACC** CTCATCCACACAATCGCTAGAAA >MPM2000-002P8_breast_Table1_299 CGATTTCAGGCAGTGTGT GGCAGGGTTACTGTCCTAGCAACCTGGCTACTCCTCACTGTGAACGTTTCTCATAGGTGTCA **TATGGCAGGATGAAAAAC** GAACTCTTAACCCCTTGCT CGACAGGTTTGAGTTCAAGGGGTTGGATGCTCCAAGCAGAGGGCCCAAACCCTGATTTATGA **AGCATGCTAGGTCAACAGC** CAGTCAGAC >MPM2000-002P8_breast_Table1_300 ACCTAAGGGGTTACTTGTTTAATGGGATGGCATTGACTTTTTGAAAATCAAGTGGACTGAGTC **ATTGATAAAACATTTCT** AAGAGTGGGGCTAGAGAACATACTTTACATCTGACATCCTTTGGCCTAACAACATCTATTATT ATAGTGCTCAGCAGTGT **GGGCATTGAAGAGGCGCAGAATGCTTTGAAAGAAACTAATCAGAATCTTGGAACATCATGAT** CATGCCATTCTTAAGTAA ATCAACTATTTCAACACTGAAGAAAAATGAAACATTATTTAGAAAACAATGAGATTACAAGTT **CCAAACTCAGCCAGGA ATGTGGCTCACA** >MPM2000-002P8 breast Table1 301 ACCCTCTACCTCCTTCCCTGTCGGAAAAGTCACCACTTTAGTCCCTGGCCACCAGCACACCC CAGGAGGGTGAGTGGCCT GAGGTAGTTACGGCACTTAAAACTCCCTTGCTACCGATCTGGAACTCAAGCCCCAAGACATC CCCTTAGATGATCTGAAT ACGCATTCAGGGACAGATCTAGGCAGTTTCTAAACAACACTTAGACTGGGGTCTAACGTTGA CAAATCCTTCTAGAATTT GCCTCTTTGGGACTGAAGTCTAAGGGGCTGAGACCAAGAAGGGAGAGCACAAGACTAACTT **TGGTCTCTTGACCTTT** >MPM2000-002P8_breast_Table1_302 **AGTTGACAAGAGTGTGAAG** ATACTGGAGAGGGGTTCAAAATAGGATCAATTCTTCTAATACTATTCTTATTTCTTGCTAATAA TTTGTCCTTGTAATTA TAGTGAAGTAATGGTCTGGATATAAATGAGATATGGTTTTGTGAGGAAGAAACATAGAGGATT **ATTCTTAACAACTGTGG** CAGCCTTGCCAATATGGAACCCAATTTCAGAGTTTGTGAAATGGTACCTGCCCGGGCGGCC **GCCCGGGCAGGTACAGTGA** CCTAAAGTT >MPM2000-002P8_breast_Table1_303 ACTCAAATGCATTGATTTTTCCAGCTGGCTTTTCAGAGCAGTGCTAGTGAGAGGCACCAGTG **TAACTTGAAGCAGGAATA** GTGATGGCTCAGGTCCCCACAGGTAGCTCCTCCATACCTGTGGGACTCAAAGGCTAAGGGC **ACTAACTCATAGGGCTCAA** AGGCTGGATGAAGAGAACAATCAATGTGTTAAATGTCCTTCAGACCTAGGTCAGAGGACAAA TTTTGACTAATTCTTTTG

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ACTAATTCTTTTTGCAACTTCTCTCAACAGGT

>MPM2000-002P8_breast_Table1_304 ACCTATTCACCATTCCAACGTGAAGAAGCTCTGCAGTAGGAAAAATAATTAACACACTTATAG **TCTACTGCCTATGTAAG** GATCAGCTCCGGCTAAGAGGCCAAAGATGGGTGACATCGTTATGCTCTGCCTTTATTTTTTC TTTCTTACCCACTTAGCT TCCTAATTGGAGGAAGGAGGCGTGGTAAAGGTATATGAAGACTATGGTTTAATTAGACCAGA **AAACACTGTCATAATCTC** TGGGGTCATCAGAATGTCCAGTTTTGTCTTTGGGCCAAGATAAGGGCAGTGGGATTTATGAT GTGTTGTTTATAGTCTGA **AACTACT** >MPM2000-002P8_breast_Table1_305 ACGCATGTCGCAGGGTTAAGTATGATGCAGAGGTTAAAGTCTGTTTGAACAAAAACAAATGC CCGGGGAAATTTCATAGC TATAAAGTTAATAACTAAATTTTGTTCACTAAGAGGACCTTTTCTATGGATTTCCTTCATCTCT CAGTCACACTGCAAAC ATTATTTGTTTTGTTT CATAAAAGCCTTTTAT **AGAAAGCAAATTC** >MPM2000-002P8_breast_Table1_306 ACTAGGGTGGACTAATGTCTCACTTCAAAAAAAATATGAGTGTAGTATACTTGGCCTAAAATT **GTTACTCAGTGTTACTA AAGTGTAATCATTTTCCACATCTCCAAATATATTCCAAGTCTCTGAAATACTAGTGCATTGGG AGGTAGAACATTTTCGA** TAATACTTAAAAAAAA AAAAAAAAAAAA >MPM2000-002P8_breast_Table1_307 ACATTCAAATCAGGACACCTGGGTATATGGACAAAGATATCCTACAATTAAAATGGAATAGAA **GTTAAAAAAAAAATTCA** GTCCCCTACACCACAGGCCTCAAACATGCTTGCTGATGGATTCTGGGAAGGTTTTGGATGAA **GGACGGAGATATGGGAGG** AAAGTGAGAAAACAGTGGATTCCCTTTGAAAAGTATGCTAGCAGACAAGCATTTGGTTTTATG **AAAGAGGCACTCTTATA** GAGAAAGAAGCTAGTATGTGGTGTATAAAAAGCCCCTAAATCATCACCAGAATGTCTATCCAT GATTGTACCTCGGCCGC **TCTAGAACT** >MPM2000-002P8_breast_Table1_308 **ATGTTCCGCACCCCATT** TAGCTATTGTTTCCAA TAGTTATCCCAGTCTTAAAGGTAGGTAGGTACCTGCCCGGNCGGNNCGCCGGNCNGGNCC **ATANTACATGATTGAATACA** TGATCGTATTTAACATGTTTTTTTTTTTCTGCAGCGGACAAATAAACATCCTCAAAGTAGCAACT **GCAAATCAGTTACCCT TAGAAA** >MPM2000-002P8_breast_Table1_309 **ACCGCGGNGGCGGCCGAGGNACGCATGTCGCTGGGNTGAGTATGATACCCAGGNTAAAGN CTGNTTGAACAAAAAAAAA** GCCCGGGTTAANNNCATAGCTATAAAGTTACTAACTAAATTTTGTTCACTAAGAGGACCTTTT CTATGGATTTCCTTCAT CTCTCAGTCACACTGCAATTTTATCTGATTTTTACTTCCCAAGTGTAGNTAGAGAATAGGAAG

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GAATGTAAAATTTTTTT

CTGATTCTACTGTA AACTCATAAAAGCCTTTTATAGAAAGCAAATT >MPM2000-002P8_breast_Table1_310 ACTAGGGTGGACTAATGTCTCACTTCAAAAAAAAATATGAGTGTAGTATACTTGGCCTAAAATT **GTTACTCAGTGTTACTA** AAGTGTAATCATTTTCCACATCTCCAAATATATTCCAAGTCTCTGAAATACTAGTGCATTGGG **AGGTAGAACATTTTCGA** TAATACTTAAAAAAAA AAAAAAAAAAAA >MPM2000-002P8_breast_Table1_311 ACATTCAAATCAGGACACCTGGGTATATGGACAAAGATATCCTACAATTAAAATGGAATAGAA **GTTAAAAAAAAAATTCA** GTCCCTACACCACAGGCCTCAAACATGCTTGCTGATGGATTCTGGGAAGGTTTTGGATGAA **GGACGGAGATATGGGAGG** AAAGTGAGAAAACAGTGGATTCCCTTTGAAAAGTATGCTAGCAGACAAGCATTTGGTTTTATG **AAAGAGGCACTCTTATA** GAGAAAGAAGCTAGTATGTGGTGTATAAAAAGCCCCTAAATCATCACCAGAATGTCTATCCAT GATTGTACCTCGGCCGC >MPM2000-002P8_breast_Table1_312 ATGTTCCGCACCCCCATT TAGCTATTGTTTCCAA TAGTTATCCCAGTCTTAAAGGTAGGTTAGGTACCCTGCCCGGNCGGNCGNCCGGNCNGGN CCNTANTACATGATTGAATA CATGATCGTATTTAACATGTTTCTTTTTTCTGCAGCGGACCAATAAACATCC >MPM2000-002P8_breast_Table1_313 ACAAACAGTAGAACAATACTGACAAATGCAAACTTAGTCACATGTGCTTTAATAACTGACAAT **ACATTCAAGCAGGTTTT** TCTTGATGTCTAAAAA CTGATTAGAACTAGAAAAGAAGTGGACATGTTTTATTATCTTTGCATTACGTTCTAACAAAAG CAGATTATCAGGGGCTC TTACTCACTTGCCATTCCTGACATGAGCACTATAAGTGAATACTATGAGTTCTACAAACAGAA CATTTTTCCACATGAAT TTGACTTGC >MPM2000-002P8_breast_Table1_314 ACGCGTTTCTTGTAAACACGAGGCACCCCAAGATAAGAAGACAGATAGAGCAAGGGATGGA CATGGTCATCTCCTCAGTG ATTGGAGAAAGTTACCGGCTTCAGTTTGATTTTCAAGAGGCAGTGAAGAATTTCTTCCCCCC **AGGAAATGAAGTGGTTAA** TGGAGAAAATTTAAGCTTTGCATATGAATTCAAAGCTGATGCATTATTTGATTTCTCTATTGG TTTGGGCTCAGTAATT CCGTTGTAAAAGTAAATGGAAAAGTTCTGAATTTGTCAAGT >MPM2000-002P8_breast_Table1_315 ACATTTTGTATTAACTGAACTCAGCTAAACAGTAAAACCTGTTTTACTTAATCCCTGTCTTGAC **TACCAGACTATCATGA** TGTTTGTTGGAACTGTAATTCCTGCTCTCCATTTCTCTCTGTCCCCCAAGTTGAAAATATAAC CCAAATCTTTAGAATTT TTGCCTCTCATTCCTTGCAACTCCAGTGGGCTAGAATCTTGATCCAGTTTTCTCCAGACTAGA TTTCAAGCTACTCTGCA TGATGTAGAACATGTAACCATGTAACCTCATCAGCTACCTTTTCCCTTTTGACTTTTCCTGTTG CACACAGTTCAGTCTG

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ACTATOO
ACTATCC
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TGAAAACTCACCGGGGAGA
GAAGCTCTTTGTGTCATCCGTGTGGAAAAGGCTCCAGTGAGCGCGCCTGCTTTAGAGACAC
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CCACTTACCTAGGAT

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GTTTGACAATTGGGATGAAGTCTACATATACTAAGTAATGGCAAGACAATTATTTTATTGCTC AAAAGAAAGTCAAAAAA ATTCCATATTCCCTTTGGGGAAAATTGGCAGGATTTCAAGTATGACCTTTAAGAATCAGGAAA AGACTAACTTATGCTTT AGGATTAAAACAATCAAATAATTAAATTAGTTCAATTTTCTAACATAGTCTCTATCTTCAGTTAA AGTGCATCATTGCAT GTTATACATTACTAAAATTACACAGTGCATAATTGTTACCATGTGACTATTTAATTCAGGGTCA **ACTGTCTAAAGGTCTC** >MPM2000-002P8_breast_Table1_322 ACATACTCAGACATGTCTAATACAATTCCAGTGTTTTATAAACTGGCAGAATTGATGTTTTTA **TAACAATTCAGTATCC** AAAAGCCTGAGGAGACTTGGACCATTTTCCTAAGGGATGAAGCGGGAAACGTTTATTAACCA GAGCCAGATTGAGACCTT AATAATAAAAAGACATGGGTCCAACCCATAGGTCACTCCAAATGGCATCAACACTAAACCATA AATAAGCGTTAACAAAG TGCAAAGTTCTAAATTTTCGCATAGCTACTTCAAGTCCTCTCTTTTTTAAACATTATTCTTATGT **GGCTCACCCGTCACT** AATGCTCAGTGTGCCTCTTGGGTGGCTCAGCAGTGGGAAGTCCACTTTCAGCCTAACTACTC **CTAACAATGAAGCTGTTC** TCCAGAGAGCAAGAATAGCCAGCCACATGCCCCCTTCTCTGCTTTTTCATCCCCCTCCATCT GATTCAATGGCGGTGTCC CTGGCTGCAGGCTTCAGTATGCT >MPM2000-002P8_breast_Table1_323 ACATTGAATCATCATGTAAGGAGTTTTTAAAACATTGTTGCCAGGGCCCCTTTCTAGACCAAG TTAGTCAGAATGTTGGA CAATGAGGCCCATGCATGGGTATTTTTACAAAGCTCTCTGGGAGATTCTAATGCTTAACCAAA TTGAGAAGCACTGAATA AGAATATCCTGGGCCGGGCGCACTGGCTCATGCCTGTAATCCCAGCATTTTGGAAGGCCGA **GGCGGGTGGATCACTTGGG** GTCAGGAGTTCGAGACCAGCCTGGCCAACGTGGTGAAACACCCGTCTCTACTGAAAATACAA AAAATTAGGTGTGGTGGTG CGTGCCTGTGTTCCCAGCCACTCGGGAGGGCTGAGGCAGGAGAATCGCTGGAACCTGGGAT GTGGAGGTTGCAGTGAGCCA **AGATTGCACCACTGTA** >MPM2000-002P8_breast_Table1_324 ACATTGAATCATCATGTAAGGAGTTTTTAAAACATTGTTGCCAGGGCCCCTTTCTAGACCAAG TTAGTCAGAATGTTGGA CAATGAGGCCCATGCATGGGTATTTTTACAAAGCTCTCTGGGAGATTCTAATGCTTAACCAAA **TTGAGAAGCACTGAATA** AGAATATCCTGGGCCGGGCGCACTGGCTCATGCCTGTAATCCCAGCATTTTGGAAGGCCGA GGCGGGTGGATCACTTGGG GTCAGGAGTTCGAGACCAGCCTGGCCAACGTGGTGAAACACCGTCTCTACTGAAAATACAA **AAAATTAGGTGTGGTGGTG** CGTGCCTGTGTTCCCAGCCACTCGGGAGGCTGAGGCAGGAGAATCGCTGGAACCTGNGAT **GTGGAGGTTGCAGTGAGCCA AGATTGCACCACTGTA** >MPM2000-002P8_breast_Table1_325 TAGCAACAGCACTAAT CAATAGCTACACTTAAGCCATTTAAGACTAAGCTTTAGATGTGTCTAATTATCTGGCAAAA **ATAAAAGAACCAAAGAG** TTTCATGTTAGCAGCAAATTAACTAGATTTAAGGGTCTTGATTTTTTTCATAAGCCTTTGGAAG **CCTGCATATTAAACAC** TGGTGAGTTTTAAATTCTCAATGGAAATGGTGATGGCATTTACTGAACCAAGCCAGCTCATAT ACAACGTTTTTTTTT

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AATTGAGATCTAAAT

Table 5

TTTTTCGTGGTTCTGAGTGCAGTCTTTATAAAGCCCAGTGCTGT >MPM2000-002P8_breast_Table1_326 ACCGCCATGATGAGAACATCTTGGAGTCCGAGCCCATTGTCTATCGACGGATCATAGTGCC CCACAACGTGAGCAAGGAG TTCTGCACGGACTCTGGCCTGGTTGTCCCAAGTATTTCCTATGAGCTGCATAAAAAGCTGTT **GTCCGTGGCTGAGAAGCA** GACCCTCCTTGGAGGACCTA ACAGGTTGAATCCCAAAAATGTTCACCAGAGGCCTACAGTGGCTCTACTGTGTGGACCTCAT GTGAAGGGGGCTCAGGGT ATCAGCTGTGGAAGGCACCTAGCCAACCATGATGTCCAGGTCATCCTTTTCCTGCCCAATTT **TGTCAAGATGTTGGAATC** TATCACCAATGAGCTGTCGCTCTTCAGCAAGACCCAAGGCCAACAAGTGTCTAGCCTCAAAG **ATCTGCCCACTAGCCCTG** TGGACCTGGTCATCAACTGCCTGGATTGCCCTGAGAACGTCTTCCTGCGCGATCAACCCTG GG >MPM2000-002P8_breast_Table1_327 ACACATGCATGCATACACACCCATACAAACATCTGTGTGAGGGCAGTTCTGGAGATGAGCAG AGAGAGACCGGAATAAAC CTGCTAAGACCAAGTGT **GGAGATGTCAAGCTAGTTCACACTCTGAGGCTCAGAATATGTAGGACATGCACAATTGTGCA GTCCTTTGGGATTGGAAG** TGAAACAGTCTGTGATCCCCTACCTTCTAGGGAACTAGGACCTAGGAAGAGGTAAAGATTAT CAGGTATGCAAAGCGCCC CAATTCTTCTGCTGCCATGGGGGATTTTACCCCAACTCCAGGGTTCGAGGCCAATCTGAGAA **TGGCTTAGGATTGC** >MPM2000-002P8_breast_Table1_328 ACATATTTGTCCTTCTAGTTTGTTACTATCCTTCCCTGAAAGAGCGGAGCTGTTTATAGGAAG CACAACATTTGAGTCCC ATTCACTGCTGTTTGTATTACATTTTCACAAAGCCTGCTTTGAAAGCTGGCAAACACTGCAAG TTACATGTTACCATATT **AATCACTTAACTTGGAA** ACAAAACACCAAAGTTAGTCAGTGGAATGGTCAAGAGCAGGACAAGCCTGCCAGGGCCACT **GAACTCCAGTCACAAGTGG** TCAAAAGTATGACCGAGAACAACTGGATGCAGGAACATCAGCACAAAATACAGATGGGAATA TTCTCGGGAGTGGT >MPM2000-002P8_breast_Table1_329 GTGAAAGTTTAACGTTTGCGATAAACTGCCGGAATTTTGATACATCTGTGATTTAGGTCATTA **ATTTAGATAAACTAGCT** CATTATTTCCATCTTTGGAAAAGGAAAAAAAAAAACTTCTTTAGGCATTTGCCTAAGTTTCTTT **AATTAGACTTGTAGGC ATGTTTATGTATTATG** CTTGAAATTTTAATTTTTTTTTTGCACTGTAACTATAATACCTCTTAATTTACCTTTTTAAAAGC **TGTGGGTCAGTCTT** GCACTCCCATCAACATACCAGTAGAGGTTTGCTGCAATTTGCCCCGTTAATTATGCTTGAAGT TTAAGAAAGCTGAGCAG AGGTGTCTCATATTTCCCAGCACATGATTCTGAACTTGATGCTTCATGGAATGCTGCATTTAT **ATGTAAGTGACATTTGA** ATACTGTCCTTCCTGCTTTATCTGCATCATCCACCCACAGAGAAATGCCTCTGTGCGAGTGC **ACCGACAGAAAACTGTCA** GCTCTGCTTTCTAAGGAACCCTGAGTGAGGGGGGTATTAAGCTTCTCCAGTGTTTTTTGTTG **TCTCCAATCTTAAACTTA**

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>MPM2000-002P8_breast_Table1_330 ACAGATGATGCCAGTGTTCCGGGCTGTGATGGGTGGATCAATGTCCAGGCGGCACATG **TGCTCCAGGGATGTGTCAG** CCATGGCTGCGTGCAGCTGCTGGGTCTGAATGAAGGCAGTCCCGGCTTCACTATGGGGCTT **CGACATGGCTGCTGAGGTC** CTCCGCCCTGACCGACTCGACAATTAGAAAACCTGCATCTTTAATACAGTGAGATTTGTAT **GCATACACTCTGGTGTCT TGGAGCAACGAATGCAG** TGTATGTGGACGCGTGTGTGCACTTTGAAAGGCAGTAGTTTTAGAAGAATGAGAAGAAAA TTACTTCCTGGGCATTCA TTAATAATTCAGGTGATATCCTGT >MPM2000-002P8_breast_Table1_331 TTCAGGTTGCTTTACC AAACTACCCTTAACCGGATTCTCCTTGAAATGACATCACCTGACACCCATGGCATGCTGCAT **GCCCACAGCTAGATTACT** TTTTAGTGCGCCCACGCACTTCTGCTTTTATTAGGTGAGGCACAATCAAGATTCCCTTTTGTT **GCATCTTGAACCTGTTC** ATGCCACTTTGATATTCTAAATTCATACATAAACCAATGAAATATATGTGTTAGAAAAATTGCT ATTTTTAGCTGGACGC AGTGGCTCATGACTATAATCCTACCACTTTGGCACGCCAAGGCAGGAGGATTGTTTGAGGC CAATAGTTTGAGACCAGCC TGGGCAACATAGTGAGACCCTGTT >MPM2000-002P8_breast_Table1_332 ACTAGTGTTTTTTAGATACAGAGACTTGGGGAAATTGCTTTTCCTCTTGAACCACAGTTCTAC **CCCTGGGATGTTTTGAG** GGTCTTTGCAAGAATCATTAATACAAAGAATTTTTTTTAACATTCCAATGCATTGCTAAAATAT **TATTGTGGAAATGAAT** ATTTTGTAACTATTACACCAAATAAATATTTTTACCTGCCCGGGCGGCCGCCCGGGCAGG **TACATAATACATGATTGA** ATACATGATCGTATTTAACATGTTTTTTTTTTCTGCAGTGGACAAATAAACATCCTCAAAGTAG CAACTGCAAATCAGTT ACCCTTAGAAAAGCAAGACCAAACACTGTAGTTACACTATTAGCAGTGACCAAAAAGGGCTA **ATATTTTCTAAGAATAGT** TTAAATTACAGACATTTGGTATATTTACCTTATGTGAAATACATCACTATTTAATTACATTAATT **TTAACATCTGTTGTG** TGGAGTTGTATAGTTCATGCAAAAGCCTTGGGGTATGGGTTTT >MPM2000-002P8_breast_Table1_333 ACTCTTTAAAAAAAAAAAAGTTTTAGCATGTTACATATTCCTAATAAGTGAAATTTTATGTCTG **GGCTAAGATTTACTTC ACTTCCTCGTGTAAGAATGCCTTGCTTAAACTCAATATAAAAAATCAGAATTTTAAAAAATTAA ACAATTAGAAATGAAG** TTATTCACTTTACAAATACTGGATTTATTTTTCTAAATTTTTTAGTTATCTTTACTTTTTCACACA TTTATGTTACCTGG CTTGCCATGTGGGCCTTTGAAGTTCCATATCCCCTGACAGTAAGGGAGATCTGCTCTGAGTG TTGCCTAAGACATCTACA AACAAACCTGGTGTTTTATTCCAGTTGAAAAAATGATAATTCTGTGAAGCATCTGGTCTTCTTT **TTACTAGCAGCTCTAG** TGTTTGAGCCTATCGTTTGGAACTGTGGAAAATTATTTCTTTAAGTAGCTTTTTAA >MPM2000-002P8_breast_Table1_334 ACTTGGCTTGCCCCGGACCACAGCCTCGTAACGGTAACCCCTGCTTTCCAGGGGCCTGGCA CCGCCATTTTTAAGGGAAG TCCAATAGTTATCCCA

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CCTCGGCCGCCCGGGCAG GTACTTGTATCTGGGCCAGCTTGATAGGGAGAGAAATCCTAAGGAATGTAGAGATGATGACC **CTACCAAATTTGGAACTA** GACTCCAATGAGTTTAGTTAAAACAAACACTATGGTGAAGAACTTTCTTCATTAGTATCTTGTC ACTTGGGGGAGTGAGG GGGGACAGAATTTGCTCTTAAAAACCC >MPM2000-002P8_breast_Table1_335 ACGGGGGCGCAGGTCCAGGTGGCGGGGGATATGCTGCCCAACTCCACCGAGCGGGCCAT CACGATCGCTGGCGTGCCGCA GTCTGTCACCGAGTGTCAAGCAGATTTGCCTGGTCATGCTGGAGACGCTCTCCCAGTCT CCGCAAGGGAGAGTCATGA CCATTCCGTACGGCATGATGAGTTCTGAGCTGCGGAGGAACCCTCATTTCCTCAAAAGTAAT **TTATTTTTACAGCTTCTG** GTTTCACATGAAATTGTTTGCGCTACTGAGACTGTTACTACAAACTTTTTAAGACATGAAAAG **GCGTAATGAAAACCATC** CCGTCCCCATTCCTCCTCTCTGAGGGACTGGAGGGAAGCCGTGCTTCTGAGGAACAAC **TCTAATTAGTACCTCGGCC** GAGGTACCGGATTCTCTCTTTAAC >MPM2000-002P8_breast_Table1_336 ACTTGGCTTGCCCCGGACCACAGCCTCGTAACGGTAACCCCTGCTTTCCAGGGGCCTGGCA **CGGGCATTTTTAAGTGAAG TGCAATAGTTATCCCA** CCTCGGCCGCCCGGGCAG GTACTTGTATCTGGGCCAGCTTGATAGGGAGAGAAATCCTAAGGAATGTAGAGATGATGACC **CTACCAAATTTGGAACTA** GACTCCAATGAGTTTAGTTAAAACAAACACTATGGTGAAGAACTTTCTTCATTAGTATCTTGTC **ACTTGGGGGAGTGAGG** AGGGACAGAATTTGCTCTTAAAAACCCAG >MPM2000-002P8_breast_Table1_337 CCACTGACTTTGTGACTTAGGCGGCTGTTGTTGCCTATGTAGAGAACACGCTTGACCCCCACT CCCCGT >MPM2000-002P8_breast_Table1_338 ACTTTGGTCCAGATAACACTGGTGATATCATGACCCTGAAATTCTTGACTGGACTTCAGAATT **TCATAAGCGGCATGGGT** ACTGTTCACTTGGTCACTGCAGATGGGAGTTTTGATTGCCAAGGAAACCCATGTGAACAAGA **AGCTTTAGTTTCTTCTTT** GCATTACTGTGAAGTTGTCACTGCTCTGACCACTCTTGGAAACGGAGGCTCTTTTGTTCTAAA **GATGTTTACTATGTTTG AACATTGTTCCATAAACTTGATGT** >MPM2000-002P8_breast_Table1_339 ACCCCTTCATCCACCACCTCCAGAGAATAACCTGGCTGCCCTCACTTCTCCAGCTTTTCTC **ACAAGGCACTTGTTACAG** GGCTGCTGATGGGAGAGGGAGGAAGGCCTGGGAGGGGGATCTGGTGGTGGCGCCCAATC **TACAGGGTCCGGAATCAGGGT** GGAAGTTGTCAGGGACTAGCGGCTGCCATAGTACCTCGGCCGCCCGGGCAGGACGTGTAG TGGGCCGGAATGGAGAATCC AGTGAACTGGACCTACAAGGCATCCGAATCGACTCAGATATTAGCGGCACCCTCAAGTTTGC **GTGTGAGAGCATTGTGGA** GGAATACGAGGATGAACTCATTGAATTCTTTTCCCGAGAGGCTGACAATGTTAAAGACAAAC TTTGCAGTAAGCGAACAG ATCTTTGTGACCATGCCCTGCACATATCGCATGATGAGCTATGAACCACTGGAGCAGCCCAC

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ACTGGCTTGATGGATCAC

CCCC

>MPM2000-002P8_breast_Table1_340 ACCGACCGCTCCGAGATCTGTATGAGTTGGAGGCAGGCCAGTGTGAAGGTGTGGGAGGAA **TCCGCCCACACGCAGCTTCA** TACAGCACCTGAGGACAATGTGGCTTCCCTGATTCACACCTACTGAGCCAAGGCCCCCTC TGAAGTTAGGTCAAGAGGG CCCACCCTAGCCGGGCCAACTCATTCCTTTGAGGACCTGATACTCAATGAACTGCTTACTAC CAAAAAATGCTAAGGAT TCAGCAAAAAGTGCAATTTCCATTTGAGAAGTAAGATTCTCCCCAAAACATGACACCACCTTT TCATCCTTTCAGAACCT CGGCCGAGGTGGACTAACTGCAACGGAGAGACTCAAGATGATTCCCTTTTTACCCATGTTTT **CTCTACTATTGCTGCTTA** TTGTTAACCCTATAAACGCCAACAATCATTATGACAAGATCTTGGCTCATAGTCGTATCAAGG **GTCGGGACCAAGGCCCA AATGTCT** >MPM2000-002P8_breast_Table1_341 **ACTTCACTCAGATACTAAATAGTAGTTTATTCTTTAATATAAGTTACATTCTGCTCCTCAACCA AATGCAATTTTTTGTG** TGTGTTTGAAAGCTAATTTGAGAAAATTTCATAGGTTACATTTCCTGCAGCCTATCTTTATCCA CAGAAAGTGTTTTCTT TTTTAAATCAAGACTTTTAAAACTGGATTTCCTCCCATCACTGTTTTTTGAAGGTCCTCCAAG TCCGTGTTAAGGTAAA TATCTGTTTTCTTCCTGATGTCACAGCCTGAGCATACTCTGTGCATTAGGAAGACCTGAGTG CATTTCCCACCATTGTCC TTTCCACATTATGTTGTAGCTGGCTGGCTGTCAGGCGACTACAAGACTGAGGGTCTTGTGCC TTATAGATCTTTGTATCC CCCATGGCTGACACATAGTAGGT >MPM2000-002P8_breast_Table1_342 ACTGCATGTTACATATTCTTCTTTAAAATTTTGTAATAAACATTGACAGTGTTTGGTAGGCACA **GGGAAACAGGATAACG** TAGAGTCATTACAGAAGAAAAAACTTATTGCTAACATTGCAGTATTCCTTTTATCAGAATTAG **GTGAGTATTGATTGTA** AAAGCTCTATCAACTCTTGCTCTTATTTGATGACTTTGAGACTTTTTTACTCTTGCTATAAAAA GAAGGCTACTTTCTTT CCCTAATATATTTCTACCAATGCGAATAATTCAGGAAACAATGAGAGAAAAGTAATTCACACT **TAATGTGTTGTTACTTA AAAAACACCGTTAGTTG TGCACAGTTCATTCCA TGGAGATACTTTTAGGGA** >MPM2000-002P8_breast_Table1_343 CGCGACGAGAGCACATAGCTAAAGATGATGAGATGCGCTACATCCATTAAAAGGCGGAGTG **GTTGCAGTGATGAGGGACC** CACTGTTTACAGCTTTATTACAGACATGAAATCAGACACCAGGGAGGACCCTGCTACAAAGA **AGCACAAGATGTGGTGTT GCTTAAAAAGTCCTGTATGTGAGGAACTCTTTCATTTTCTTGGGGATTGGCAGTGCTAGGAC** TTGGTAAGTTGTTAGGAA ACTTCGAAGGGCTTTCCGGCATAAGTGCTTCAGTGAGGACAGGACCCTAGGAGCTGTCCAG **AACTGGACGTGGCCATCTT** TTGTCCCTGTGGCAATGACTCCACCATGTGGAAAAA >MPM2000-002P8_breast_Table1_344 TTCAGCTTTCTTTACC AAACTACCCTTAACCGGATTCTCCTTGAAATGACATCACCTGACACCCATGGCATGCTGCAT

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GCCCACAGCTAGATTACT

TTTTAGTGCGCCCACGCACTTTTGCTTTTATTAGGTGAGGCAGAATCAAGATTCCCTTTTGTT **GGATCTTGAACCTGTTC** ATGCCACTTTGATATTCTAAATTCATACATAAACCAATGAAATATATGTGTTAGAAAAATTGCT AT >MPM2000-002P8_breast_Table1_345 ACCCGGCCTGCAGAAGCCCTCGTGGCACCCGCCCCACTGGGTGCTGGGCCCTGTCTGGG GCACGCTCTACTCAGCCATG GGGTACTATATGTTTAGCTTGCAATGACATGACTCCAGAGCAAATGGCTACAAATGTGAACT **GTTCCAGCCCTGAGCGAC** ACACAAGAAGTTATGATTACATGGAAGGAGGGGATATAAGAGTGAGAAGACTCTTCTGTCGA ACACAGTGGTACCTGCCC **AGGAAAAACTCATTGCACC** AGTTGCGGAAGAAGAGGCAACAGTTTCAAACAATAAGATCACTGT >MPM2000-002P8_breast_Table1_346 ACTCCAACTTCCATTCCTCGCCCTGCCCCCGGAGCCGAGTCCTGTATCAGCCCTTTATCCTC **ACACGCTTTTCTACAATG** CCCGGGCGGCCGCCGG GCAGGTACAAGTATACATAAAAATGGCATAAATGGCATAATTGAACCAATTACTGGATTCAAC **TATATTAAGACTATTTC** CTTAAATCCTACTTCAGACTAAATTATTTTACCTACATTCTTTTCCATATTTTGGAACTTCTGAG TCATTATTTTCCACC TTGCACATTAAAATAATTTAAAATTACATGTATCCCTTCTCAATAAGTTTAATCAGCTAACCCT **AAGCTAGAGGTCAAAA** TCTACTTCCTCTAATATCAAAACGAAAATTTAAAAGGTTTCCAAATATTAATTCAATATTAATTG **AATATTCAATGAATT** >MPM2000-002P8_breast_Table1_347 ACCGTTTCCTCAGCGGCGGACTGCTGCAGTAAGAATGTCTTTTCCACCTCATTTGAATCGCC **CTCCCATGGGAATCCCAG** CACTCCCACCAGGGATCCCACCCCGCAGTTTCCAGGATTTCCTCCACCTGTACCTCGGCC **GCCCGGGCAGGTACATTTA ATCAGTAAATCAGTTTCACATCATGTATTGTGATGTTTCAATGTGAGACACAAAAACAATGGC TTGAAACTTGTGTATCA** TATGTGATTTTGAAATGAACACCTTGAATAGCACTAATTTTTATTTGTGGGATTTTTCTATAAC **AAAACAAGTAGCTCTA** GGAAAAGAGGTTTTATTTTGTAAACGATCATTTGTGACCTCAGACACTCTCTGGCTAATATTT **TAATAAGCTCACAGCAG ATAATTCTG** >MPM2000-002P8_breast_Table1_348 ACAACCAGCTCCTCTTTTGCGTCCACACGGATCTGAGAAAGTGCACTGTAGGCATAAGCAGC **TATCCTGGAGACCTGCTG** CGGCAGCGGTGGCAGCTTCT TCCAATGGGTCAGGCTGCTCAGCACAGCCAAGCGGGTGCTGTACTCATGACGGAAGTT **GCCGCTCGCCCACTTGTGC** AGCAGCGTACATCATTTAAATAACATAAATGACTTTTACACAGCTTGACCTAGGAAAAAATAA **AATCCATCATAGCCACA** GCTAAAAAGCATGTTAAGATTCACAATAAGAATTTGTTTCTCTTATTATAAAGAGAAGAGCAAT CATATAACCTCCTGGG GGTGGGGGAGACCTCATAAATATTTTATATTGATTGACAAAACAGCATGCT >MPM2000-002P8_breast_Table1_349 ACTGATTTAACACTCTGTATTACTGAACTTCTTTGAACTATTTTGAACTTTGAATCTCTTCTCT GAATAACTGCCGAAAC

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TCAAAGATAATAATTAGTTGATGAAGGTTATCAATTAATAAAATAACACAGACCAGTCTTACCA **AACTCTAAATACATTT** TAAAAAATAGAAACTGGCAATGATAAAAAGAATGTTGAGTACCTGCCCGGGCGGCCGCCCG **GGCAGGTACTGAAGATTCT** TCTTTCGGTGGAAGACAATGGATTTCGCCTTCACTTTCCTGTCCTTAATATCCACTTTGTTGC CACACAACACAATGGGG ATGTTTTCACACACTCGTACCCATAGCAAGACTTCCCAACACCACTGCACATTCAGTTTTCAG CTCTGTGCTTGAGGTTT CTTGGTGAAGCAAGT >MPM2000-002P8_breast_Table1_350 ACAACTTAAATAGCATCCTAGGGTAAAGAGTAACATATTCCCCAAGAAACAGAACTAAAATAT TTCCTATTTTATGAGAA GAGTGAGTAAGAACAACAGGATACCTCCCTCAACAGCCCACTTATAAAACATTATTTCCATAC GAAATCCACAGCCTTTT **AAGACTAATAACCAGT** GATTCTTTGCTTCACAATATGGTCAATTGCCAAAGGGTTCAATAACTTATCAGGTA >MPM2000-002P8_breast_Table1_351 **CCCAAAAGATATAAAGA** CATAAACATCATCTGCCGAAATAAATCCTGAAATTCGAGGGCGATGCTGGGAAGGTATGA **AATTAGAGGGAGGCATGT** TGCTTTTGCACTTTCAGATCAATGGCTGAATTCCAGACCCGGGGAAGCCTTTCAGATCCGCA **TGTAATTTGTTTAAACAA** TTGCTGTTCATCTGCCACAGCAGCACTTGTAATGCCGCAGGGAGGAACTTGCAGCATTTCTT **GCTCACTTCAAGAAATCA ACTATAACAAACCTCTTCCAGAAGACTACGACATCCATATTTCTGCAATAGTTAGATAAAAGT** TAAAGAACTGTTCCTTT TGTGAATATTCACAGTCCACTGCATATAATCGGTTATGAAAACTGAACCCTATAAAGAGCGAG **AGTAGAGGAC** >MPM2000-002P8 breast_Table1_352 ACTGCACGCTAAGTGATGCTCTTGTAATTGAAAGAGAATGGGTTTCCCTTCAAACCATATG **CTATTACTAGTCTCTGA** GTGCCTTCAAAGCACATACTCTTCCTTTAAAATCCAAGGATCCTTGCCTTCAAAAGACACAAA TGCAGTAGTTTTCATTT CTTACATTCACTTAAAAATGGATTATGATTCCAGCAGGCAAATCTGCATATTAAATATAGACAA **CCCAACCACAGTATCT** CACACTCAGATTTCTT AAACAGCTCACTCAGGAGTTTCCTCTTTTAAAAATTAAATAACTTATGGTACAACAGGCAGCA **AGCCATGTATTTACCAT** TACAGAAAGCTGTTCATGG TAGGCTTTCTCA >MPM2000-002P8_breast_Table1_353 TTTGCTTTTTTGAAAAAGGTAAGTTGCTGATTAAGTCTAATTGGAATTGATAATTCCATAGTC TTAGATTAAAATGAGG ATATTTTCTCCTAGATTTTCTCATGTTATGCCATGCATTTATATATCTAACCATTAATTTCACAC TAAGGATGCTTCACC **GTAAGAATCTGTATTT CTTTTTCAGGACTCAA ATAACTAGCTTTGAACATATTTAAAACACTACTTATAGAATAGATTTATTAATGTTAATACCT** AGTGAATATCCATGT GGCATCCTGGTTATGTTATCGGTTCAGCGTTAATCCTATAGAAAAGTGGTTTGGAGGGGAT

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>MPM2000-002P8 breast Table1 354 **AATTTGACCTAAGCTG** TGTGCCTTTGGAATCAGCTCTAAGCCAGGGCCCCCGGGAGTCATGTTAAGTAACACGTATA TAAAGTGACATACATCAA GGTTATCTTATATAGTCATAACAGTATTATTGGGTCTTTCAAAAACAGCTGGCAGATTGAGCT TTTAATGGCTATATTGA TACAGTAGATAGAGCACCTCTAAGGAGT >MPM2000-002P8_breast_Table1_355 ATGGTTTTTATTCTTT CCTAACGGATCCTGTTTTATAATACTTCCAAGCCTGTCCATGGATATATCAAATGTCTTCACTT **GTATATTTTCATGGCT** AGGTATTTCTAATGTTTATTCTTCCCTGTGTACTGCAGGGGATGCTCTGCCGGTCCAGGGAC AACAGCCTTTCTCTTGCT ACTGCTCTGATTCTTGTCTCGTTCCGTTTTTTCCTTCTCACCATCTTTCTGTGTGCTGTTTTCT **TCATTCTGATCATGGT** CCCCACTGTCATCATCTTTCAAAGCGTCGAACTTGTTGTTCATCCTCTCGCCGCCGCTGTCG CCCCGCGTACCTGCCCG GGCGGCCGCT >MPM2000-002P8_breast_Table1_356 ACTGCATGTTACATATTCTTCTTTAAAATTTTGTAATAAACATTGACAGTGTTTGGTAGGCACA **GGGAAACAGGATAACG** TAGAGTCATTACAGAAGAAAAAACTTATTGCTAACATTGCAGTATTCCTTTTATCAGAATTAG **GTGAGTATTGATTGTA** AAAGCTCTATCAACTCTTGCTCTTATTTGATGACTTTGAGACTTTTTTACTCTTGCTATAAAAA GAAGGCTACTTTCTTT CCCTAATATATTTCTACCAATGCGAATAATTCAGGAAACAATGAGAGAAAAGTAATTCACACT TAATGTGTTGTTACTTA AAAA >MPM2000-002P8_breast_Table1_357 ACCTCTTTGCCTTAAATTGCTTTTTAGTTCTAAGATTGTAGAATGATCCTTTCAAATTGTAATC TTTTCTAACAGAGATA TTTTAATATACTTGCTTTCTTAAAAAACAAAAAACTACTGTCAGTATTAATACTGAGCCAGAC TGGCATCTACAGATTT CAGATCTATCATTTTATTGATTCTTAAGCTTGTATTAAAAACTAGGCAATATCATCATGGATAC ATAGGAGAAGACACAT **TGCCAAGT** >MPM2000-002P8_breast_Table1_358 ACTTCTTTTCCAGAGCAGGTGGCACAAAACGACCCCCCAGGTAATGGTAGCGACCGGTAAA **CTGGGTTGCAGATTTTTTG** GGGGCTGTGAGGGAGATGAGCAAGTCTGGCTGGATCCCTCCAGCATTTCCCTTCTCCACGT **CCCATCCTGAGGGAATGTC** GATGCTGGCAATGGGCACAGTGAGTCCCTTCAGGACACTCAGGATGCTGTGGAACGGTTCC CGAACATCGCCCTTGAAGC TGAAGCCAAAGATGGCATCCACCACCAGCTCATACAGTTCATCAATCGTCATGGGCTCTGCG **GGCATTTCCCCAAGGAAA** GGGATGTCCATTTTCTGACACTGGGTCACCAATGCAGTGAAGAGGGGGCTTGTTAGGCCTTTT **GGGGTAATAGATGGTTGG** CTCGTAGCCAAAGAGTTTGAGGTGTCGAGCACAGACCAGACCATCTCCTCCATTATTCCCCG **GGCCACAGATGA** >MPM2000-002P8_breast_Table1_359

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TTTCATGCATGCAGACTTTTATTTAACCTCATTGAAATTAAAATTAGCAATTTAAAATACAAAAT

ATAGCATTTTGGTTT

TTAAAAATCACTATCTTTGTCCTTTAAGATAAAAACAAATAGGGTTGGTCACCCTTATATGTCA ACCCAAAAAGTATCAA AAATACCTTGACTGCATGAAAGAACAGCTTCTTTAGGTCTATGCATTTTGACTTGGGCTTCTG CCAGATGATACCATCCA CTTGGGCAGACAGGGCTTTCCTTTAACCCTTCTGTTAGGTTCCTAACAGCATCTTCATACTTT TTGCCTTGGAACGCTTT **AATGCCTAAGCCAATGA** >MPM2000-002P8_breast_Table1_360 ACCAGCGCGTCCCATACGTGGAGCCGCCCGAATACGAGTTCTTTTGGGGCTCCCGGGCCA **GCCGCGAAATCACCAAGATG** CAAATCATGGAGTTCCTGGCCAGGGTCTTTAAGAAAGACCCCCAGGCCTGGCCCTCCCGAT ACAGAGAAGCTCTGGAGGA GGCCAGAGCTCTGCGGGAGGCTAATCCCACTGCCCACTACCCTCGCAGCAGTGTCTCTGAG GACTAGCAAAGTCTGGAGG **ATTCAGGATTTACAGTGCA GTATTCACGGGTAACTTTTAAGTTTTCAGT** >MPM2000-002P8_breast_Table1_361 GTGTGTATTCACGCAGTTACTCGCTTCCATTTTTATGACCTTTCAACTATAGGTAATAACTCTT **AGAGAAATTAATTTAA** TATTAGAATTTCTATTATGAATCATGTGAAAGCATGACATTCGTTCACAATAGCACTATTTTAA **ATAAATTATAAGCTTT AAGGTCACTTATACTACCAATAACTTGTTAAATCAGGATTTGGCTTCATACACTGAATTTTCAG TATTTTATCTCAAGTA** GATATAGACACTAACCTTGATAGTGATACGTTAGAGGGTTCCTATTCTTCCATTGT >MPM2000-002P8_breast_Table1_362 CAGGCTACATGAGCCGGAC ACCCCATGGCACTTGCAGGCCACATCAGCCAGGTTGTACAGAAATTTGTATATATGATGGTT CTTAGAACTTGTTTTAAT TTTTGTGGTCCTTCTGTTTATTATAATAGGCGTCCACCAATGATTATCCATATGTGTTCTTAAT **TTTTAACTGCTGGAAG** TGTTAAAACACACACACACACACACACATTTTTTTTTTGAGAACTCCAAAGTCCTGAAAATT TTGGTGGACAATGATT TTTAAAAAACTAACTTTGTATAACCTAATATTTGTATTCTCTCATCTATATTTTTTTATTCACTAT **AATCATGATACTCT TCTAATAGACTTAAAAGTTAATCATTG** >MPM2000-002P8_breast_Table1_363 ATGATTGTAAATGTGTCT TCTCCTATGTATCCATGATGATATTGCCTAGTTTTTAATACAAGCTTAAGAATCAATAAAATGA TAGATCTGAAATCTGT AGATGCCAGTCTGGCTCAGTATTAATACTGACAGTAGTTTTTTTGTTTTTTAAGAAAGCAAGT **ATATTAAAATATCTCTG** TTAGAAAAGATTACAATTTGAAAGGATCATTCTACAATCTTAGAACTAAAAAAGCAATTTAAGGC **AAAGAGGT** >MPM2000-002P8_breast_Table1_364 ACAATGTTGTTATGGTAGAGAAACACACATGCCTTAAAAATTTAAAAAGCAGGGCCCAAAGCTT **ATTAGTTTAAATTAGGG** TATGTTTCAAGTTTGTATTAATTTGTAATAGCTCTGTTTAGAAAAAATCAAAGACCATGATTTAT **GAAACTAATGTGACA** TAATTTCCAGTGACTTGTTGATGTGAAATCAGACACGGCACCTTCAGTTTTGTACCTCGGCC **GCCCGGGCAGGTACAAAA** AGTGATCAGAAGGGCAAGGGCATGCTAACGTCATCGGGGGGCCAGTCTCCAAGTCGCAGC CCCGTGCCCCCGGAGCCGG

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Table 5

TGGCTATCTGAACTCTATGCATTCGCTGGTAACAGCGTCCCGTATGAGCCCCAGTCGCCCC CGCCCTTCTTCAAGCCC >MPM2000-002P8_breast_Table1_365

GCAGAATCTGGTAGACTGCTCTGGGCCTCAAGGCAATGAAGGCTGCAATGGTGGCCTAATG **GATTATGCTTTCCAGTATG**

TTCAGGATAATGGAGGCCTGGACTCTGAGGAATCTTATCCATATGAGGCAACAGAAGAATCC TGTAAGTACCTCGGCCGA

GGTACTGGTCTGTGGCCTGGGGGTGGGGACCCCTGTTTTAAGCAGTTTAAGAATTATTCTTT TTCAGAATATCTACCTCT

ACTGGGATAAGATCACGTTTCTTTACTGTGAGCACACAGTAGGTGCTCAATAAATGCTTGTTG CAAGAATGAATGAC

>MPM2000-002P8_breast_Table1_366

ACACTGTCACCTGGAAGTGGTTCTTCTTCTGGCACACAAGGCGTCGTCGCCCACCGAAAA **GTTGAAGCCCTTGTCCGCA**

TCCACGCGGTAGGTGAGCATGGGCAGCTCCTTGTAGTTAGCATCGTACCTATAAAGTAAAGC TAAAATGATTTTATCTGT

GAATTCAGATTTTAAAAAGTCTTCACTCTCTGAAGATGATCATTTGCCCTTAAGGACAAAAAT GAACTGAAGTTTCACAT

GAGCTATTTCCATTCCAGAATATCTGGGATTCTACTTTAAGCACTACATAAACTGACTTTATCC **TCAGACTAGCTGAATG**

ATTITGTGCTGTTTCAGGATGTTTGCACTGAAGAAAACAGAAAGCTTATCTGAAATTTATAAA ACTITITGTTTTGCTA

CATAGAAAACAGAAGGTATTTGAATAATAAGCAGTGATATGCTTAGTGAGCACAGCTATACTG ATTTTGATTAGA

>MPM2000-002P8_breast_Table1_367

GAACTCCCCGCGGTGGCGGCCGAGGTTCATTATTTTCCTTGTCTGCCAGGATTGGTGGCG CAAGAAGAGGTAGCCTAAT

ATATTCCATAAGTTTACTTAGATCTTTCCGTCTCTGTTCCAAATCATGACGGACCCAAGTAAG AAGTGCATTCAATATTG

ATAATACAAATTCCTGG

TTTCTGATTACTTCCATGAAATGCTCCATAGTATAATTGTGAGCCACTTTATGCAAATCTGTAC **CTGCCCGGGCGGCCGA**

GGTACTGTATTAGAACACTGGGTGTGTCATACCGTTATCTGTGCAGAATATATTTCCTTATTC **AGAATTTCTAAAAATTT**

AAGTTCTGTAAGGGCTAATATTCTCTTCCTATGGTTTTAGATGTTTGATGTCTTCTTAGTAT **GGCATAATGTCATGAT**

TTACTCATTTAACTTTGAT

>MPM2000-002P8_breast_Table1_368

ACAGGAGTTTCCCTATTTTGGTGTTCAGCTTGAAAAAGGACTTGTCAGAATCAACTGTGTCAT CAAAATTTAAGTAATGT

GCATTGAAAATAAGGTTGATCATGGGAATATGCAGAATTTCCAATGTATTTTTAAATACAAATA AAATTGTAATTTAGAA

TTTTTAATCTTAGGTTTCTTGATTAATTTATAAGAGATCAATTATTGTCAGTCTTTTTTGTATGT TTTTTAAAAACATAG

TCCAGAGCATGGGCAGAATTGACACCTCTCTTTTAAGTGAAATTTGGATTGCTCACAAAGCA **CTAGGAAATGTCATGGGG**

ATTAACAGTTCATGTA

AAGAGATTAAAAATGCG

>MPM2000-002P8_breast_Table1_369

ACATTTTTGAAAAGCACAATAACTTGTATTAATTGCACTTAACACAATGAACCTTTAGTTTCCA ACCAGTTTTCATTCTC

TGCAGACCCGGGCTTTCTTTTTATAAAAACTGCTTTCAAAGGGCATAGAGACACCACACATG **GTCCACAGCAAATTCAAA**

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TAGAGAGGTGCAATAGTTGCAGTGGTAAACACACAAAAAAATACATTTTTTTGGACTAAAAAT **CTGGTCACGGATAAAAG** CATGTGCCTTTTCATTCTTCTCTGGGATGTTACAACAGCAACACGCTCTAAAAACAATTAAGTT **ACATGCATAATGCCAAA GGAACATATATAGGAA** AAGAGAATTCCCCTTTTGTTCCATTACATATAGAAACCTTTTGAAGC >MPM2000-002P8_breast_Table1_370 ACTGCGCCATCTGGGACACCTTGTTTCCCAGCTGGGAGGCTTCAGCCCGGGCAGCATTGGC CAGCGGCTCAATGAGATGG GAGATCTCTTGGACTGCAGTGAGCATCTGAGTGTGCAAGGCCTCTTGAGAGATTCCCTCAC **GGGGAGCAAGCTGCTGGCT** GACTGCAG >MPM2000-002P8_breast_Table1_371 **ACTCTGGCGTGTCAACCTGGAATTTAACGGAGGTATTTGTAGGCAAAATACCAAGGGATTTA** TATGAGGATGAGTTGGTG CCCCTTTTTGAGAAGGCCGGACCCATTTGGGATCTACGTCTTATGATGGATCCACTGTCCGG **TCA** >MPM2000-002P8_breast_Table1_372 ACCTGAGGAACATAGATTCTCTGCTTCTTTCTCAAGGGGAACCCTCTCCAGCTTCCCTGGTG **TGACCCTTCACATGCCAG** ATTGGGTAGGATCACTTTGAACTGCCTGAAGTTCAGGAAGGTCATCAAGCTCCATGTGTTCA TCACAGGAGTT >MPM2000-002P8_breast_Table1_373 **GTACATTTCCATGGGCCCTGTTCCCATTGATGTATACTGCTTCCTTACTAACAGTGAGGGAT** GACTTTCATCAGTCTTTT ATCACCTGAACAGTCTTCCGGCCATAATGATAGTAACTATAAGCTGATGCAGCTGTGGTGAA **AGCTGTAAAACACCTTTT** ATGGAAGAAAAGAATAAAATGTAGTTGCCAAGTCTAAAAAATAGTACCAACGGGAATCATAA TGAATACATGCAATGAA TTTAAAATGTGAAAATGAATTTAAAAAGTAAAAAGGGCTCTGCGGTGTAATTTTTCTTAACTAC **AAGAGTCTAAATACAC CTACAAATTACTACTA CTAGCAACTGTCATTTTTTACTC** >MPM2000-002P8_breast_Table1_374 CGCGTGAAGAGAATAATGCCTAGAAGTTCCAGGGTGGGGCTGGGGCTGGAGACGACGAG GAGGAGGATTAAGTCCACCT GTCCCTCCTGGGCTGCTGGATTGTCTCGTTTTCCTGCCAAATAAACAGGATCAGCGCTTTAC **ACCATGTTGTTACATGTA** AACAAACTTCAATTTGAAGTGCAGCTATTATGTGGTATCCATGTGTATCGACCATGTGCCATA TATCAATTATGGTCACT AGAAAGTCTCTTTATGATACTTTTTATTGT. >MPM2000-002P8_breast_Table1_375 ACAAATGTGGTGTGTCTTCCAACTTTCATTGAAAATGCCATATCTATACCATATTTTATTCGAG **TCACTGATGATGTAAT** GATATATTTTTCATTATTATAGTAGAATATTTTTATGGCAAGATATTTGTGGTCTTGATCATAC **CTATTAAAATAATGC** CAAACACCAAATATGAATTTTATGATGT >MPM2000-002P8_breast_Table1_376 ACGAGTTCAGCCTGACCCGTGAGACAAAGAAGCACGTGCTCTTTGGCACTGTGGGGGTGCC **TGAGCACACATACCGCTCC** CGAACCAACTTCACCAGCAAATACAACATGAAGGTCCTCTACTTATCCGCCTTCACTAGCAA **GGACGAGGGCACCTACAC** GTGTGCACTCCACCACTCTGGCCATTCCCCACCCATCTCCCAGAACGTCACAGTGCTCA GAGACAAACTGGTCAAGT

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GTGAGGGCATCAGCCTGCTGGCTCAGAACACCTCGTGGCTGCTGCTGCTCCCCT **CTCCCTCCTCCAGGCCACG** GATTTCATGTCCCTGTGACTGGTGGGGCCCATGGAGGAGACAGGAAGCCTCAAGTTTCAGT **GCGGAGATCCTACTTCTCT** GAGTCAGCTGACCCCCCCCCCAATCCCTAAACTTGGGAAGAAGTGGGGACCCCACCC >MPM2000-002P8_breast_Table1_377 **ATACATTCAGTAGCGAATG** GGTGAGTAACACGTACCTAACCTTTAAGACTGGGATAACTATTGGAAACAATAGCTAAT **ACCGGATATAGTTATTT** ATCGCATGATGAGTAATAGAAAGGAGCTTCACAGCTTCACTTAAAAAATGGGGGTGCGGAACA TTAGTTAGTTGGTAGGGT AATGGCCTACCAAGACGATGATGTTTAGCCGGGCCGAGAGGCTGTACCTCGGCCGCCCGG **GCAGGTACAAAGAGTGATGG** CAATGTGACTGGAACAGAAATAGTTTCTACCAGGCACAAAAGCTCCTGTAAGCCCCGTAG **TTCCGTCCTGCAAA** >MPM2000-002P8 breast Table1 378 ACAAAAGGAGAAAAACTATGTCTAAGGAGGGAAGCACATAATAGAATTCTATTATTACAATAG **AATTCTATAAATACAAA** ATTGGATAAACTTTATCAGAAGCAGGTGTTTGTCACCATTTTATATGTGAAACTCAGGAAGTT CTTGATTTTTTAAGAGC TGTATTCCTTAATCTGGTTACAGGCTATAAAGGAGATAATCATTTACATGATCATATTCTCAAA CAGATGGTCACCAAAT GGAATCAAAGGACTGATTTGATGTAGCCGGTAGTATGATAATTTTGTAGTTAAATGAAAATA >MPM2000-002P8_breast_Table1_379 CCCCTTTTTTTTTTTTTTTTTTTTTTTTTCTGGACAGCATCTGTTTATTGACAATTCCAGG **TCATTCCTAACACGC** CGCAGCAGGGCTCTGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACTTCATGAAGCAGAC CATTGGGAATTCCTGTGGCA **GT** >MPM2000-002P8_breast_Table1_380 GGGGCGCCCCGGGCGGGACCTCTTTGCCTTAAATTGCTTTTTAGTTCTAAGATTGTAGA ATGATCCTTTCAAATTGT AATCTTTCTAACAGAGATATTTTAATATACTTGCTTTCTTAAAAAACANAAAACTACTGTCA **GTATTAATACTGAGCC** AGACTGGCATCTACAGATTTCAGATCTATCATTTTATTGATTCTTAAGCTTGTATTAAAAAACTA **GGCAATATCATCATGG** ATCATTTGAAGGCCTAA **TATATGCCAAGT** >MPM2000-002P8_breast_Table1_381 ATTGGAGCTCCATCCGCGGTGGCGGCCGAGGCGCTATGCCCCAGGACCCATTGGAGACGA CATAGTACAAGGGCGCATCT CACTGAAACAAGATAGTGATATGGGGCACGTATTAACTTAAGATGAATGTAGAAGCAAAAAG ATTTACAAGAATTAGCAG TAACAAGATTGATGCTCAAGAGACATAATTGT >MPM2000-002P8_breast_Table1_382 ACTGCCGGCATTGTCTTAGGGGTTAATAAGGTTAACCTATGGTTACAAAACAAAGGGTAACT **TGAAGTATTGAGTAACTG** CTTCTGTAATATGGGGGAGAATAAATTTTTAAATTTTGGTTTATTTAGAGGAAAAATTTTGACTT AAATTTAACACTGATT TGGCACATAAGCATTGAGAGTGTATTTGGTTAATGGTTTAGAAGCAAACCAGCAAAGGAAAA **AAGCAAACCCTAGCAAAC** CTTTCACAAATGTTAAAGAGACACTGCTCCATTTTAGCAGTGCGGGTCATTTTGAGTTTAATG

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AATCCCCATCAAATGGT

GGTATAGTAGATAGCTATGTGTGTTTGTAAGGGTTTGTAGCTTGCAAGACGTGCACTAATAAT **ATTITATATGATCTTTC** CTGGTTGGCAGGACCCATGGATGAAGGGACCAGATCTTGATCTAGGCCNACCTTGTAGATC CAGATGAAGACTCTGA >MPM2000-002P8_breast_Table1_383 ACAGGATATCACCTGAATTATTAATGAATGCCCAGGAAGTAATTTTCTTCTCATTCTTCTAAAA **CTACTGCCTTTCAAAG ACCTTTCTGGCTTTTAAG** CCAATATAATGGGCTGCAAAATGAAGACACCAGAGTGTATGCATACAAATCTCACTGTATTAA AGATGCAGGTTTTTAAT GTACCTGCCGGGCGGCCGGGCAGGTACCCCACCTCCCTAGCCCTCTGTGCTTCAA **GTCTTCCTTTGACCCCCTTC** GCTCTCCCACAGCAGGGCTCTCAGCTGCCAGCCAACCAAGCAGATGGTGCAACAACCAGAC CTAAAGGAAGGACCTGGGG AAGAGGAGAAAGGGAGCCTGGCAAGTCTGA >MPM2000-002P8_breast_Table1_384 ACACATGCATGCATACACACCCATACAAACATCTGTGTGAGGCAGTTCTGGAGATGAGCAG **AGAGAGACCGGAATAAAC** CTGCTAAGACCAAGTGT GGAGATGTCAAGCTAGTTCACACTCTGAGGCTCAGAATATGTAGGACATGCACAATTGTGCA **GTCCTTTGGGATTGGAAG** TGAAACAGTCTGTGATCCCCTACCTTCTAGGGAACTAGGACCTAGGAAGAGGTAAAGATTAT TAGGTATGCAAAGCGCCC CAATTCTTCTGCTGCCATGGGGGATTTTACCCCAACTCCAGGGTTCGAGGCCAATCTGAGAA **TGGCTTAAGATTGCAATG TCAAGGTATTATATCAGCCCC** >MPM2000-002P8_breast_Table1_385 TTCAGCTTTCTTTACC AAACTACCCTTAACCGGATTCTCCTTGAAATGACATCACCTGACACCCATGGCATGCTGCAT **GCCCACAGCTAGATTACT** TTTTAGTGCGCCCACGCACTTCTGCTTTTATTAGGTGAGGCAGAATCAAGATTCCCTTTTGTT **GGATCTTGAACCTGTTC** ATGCCACTTTGATATTCTAAATTCATACATAAACCAATGAAATATATGTGTTAGAAAAATTGCT **ATTTCTAGCTGGACGC AGTGGCTCATGACTATAATCCTACCA** >MPM2000-002P8_breast_Table1_386 ACACTGCGTTCCAGGCTGGTGTATGGGGTTGATCCTTATCGGTCACAGTTAGATTAGCTACT **ATGATGTCTACCCTGTTC** TCAGGAACTTCACCATAAAACGTCATGGCAGTAAACTCTGGAGGATTGTCATTGACATCTGT CACTGTGATGACGGCCGC CCGGGCAGGTACATGGTTGATTTTGTGCTGTTGTTTGGACTGTAACATCCATGTTGTCAATA **CGTATACCTTGTAAGTGG** ATAACTTTTCTTTTTCCCAGGCCAGAGAATTCAAATTGTTAAAACATTGGCATTTGAAGAGGA **GAACAAAATGTAGCATG ATGTATTTAAAGTAAGGCCTTTAGT** >MPM2000-002P8_breast_Table1_387 ACAGGAGTTTCCCTATTTTGGTGTTCAGCTTGAAAAAGGACTTGTCAGAATCAACTGTGTCAT CAAAATTTAAGTAATGT **GCATTGAAAATAAGGTTGATCATGGGAATATGCAGAATTTCCAATGTATTTTTAAATACAAATA AAATTGTAATTTAGAA** TTTTTAATCTTAGGTTTCTTGATTAATTTATAAGAGATCAATTATTGTCAGTCTTTTTTGTATGT TTTTTAAAAACATAG

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TCCAGAGCATGGGCAGAATTGACACCTCTCTTTTAAGTGAAATTTGGATTGCTCACAAAGCA **CTAGGAAATGTCATGGGG TTCAAATATATCCTACA** >MPM2000-002P8_breast_Table1_388 ACCCAGTATTTCTAATTAAATTTCACATGCTAAATTAATGAAAGTAACAAGATTGTAATTTTTTA **AAGTCAGTTGATTAA** ATGCAATAAATATTGGGTTGCTCAAATATGCCACAAATAACTCGAAATTTTTCATTTACTTTCA ACAGCATAAGATTCTT TAATATTTAGGATTGACTGTTCTTTCCAGTTAAGCACTGAAGGATTATGTCTTGTAGCTTCCC CAAGAGAAGGGAAGGA AAAAAAAGCACTATGTTAAGGATAATACAGAACTCTTTTGAACTATTTTGGTAGTACCTGCCC **GGGCG** >MPM2000-002P8_breast_Table1_389 ACTCTTGGATGTTTTTCTCACCAAGATGAGCAAAGAAAGGTTTGCACAGAGGAGTGTGAAT **GTGTGTTTGTTGCTGGCT** GAATGGCAATAGATGTCTAAGGTGGATTCAGTGTCTGGCACACTGAGACACCTCCAAGAAG **GAGATTGATGCATCAGGTT** CAGTTTAACCTGTAATATCTGACTACCCCTGAATCCACCCAGAAAGGGGGCCCAACACCCTT **GTCCATTTATGGGTATTT** TTTTTCGAAGTTATTAAGCATATTCCTTTTCCACGAACCTCTTCTGT >MPM2000-002P8_breast_Table1_390 GTTTGAGTTTGGAGCAAAACTGAGGTAGTCCTAACATTTCTGGGACTGAATCCAGGC **AAGAGAAAGAAGAAAAAG** AAAAAAAAAAGTCCCTTTT CGACATCACATTCCTGTGTTTTCCCTCAGCCTGGAAAACATATTAATCCCAGTGCTTTTACCC CCGGAAACAAAGAGACT **AAGCCAGAC** >MPM2000-002P8_breast_Table1_391 GCTTCCTTACTAACAGTGAGGGATGACTTTCATCAGTCTTTTATCACCTGAACAGTCTTCCGG **CCATAATGATAGTAACT** ATAAGCTGATGCAGCTGTGGAAAGCTGTAAAACACCTTTTATGGAAGAAAAGAAATAAAAT **GTAGTTGTCAAGTCTAA** AAAATAGTAGCAACGGGAATCATAATGAATACATGCAATGAATTTAAAAATGTAAAAATGAATTT **AAAAAGTAAAAAGGGC** TCTGTGGTGTAATTTTTCTTAACTACAAGAGTCTAAATACACTGCTTTTC >MPM2000-002P8 breast_Table1_392 ACCGCATCAGCAAAAGTGCCTGGCTGAAGGACACTGTTGACCCAAAACTGGTGACCCTCAA CCACCGCATTGCTGCCCTC ACAGGCCTTGATGTCCGGCCTCCCTATGCAGAGTATCTGCAGGTGGTGAACTATGGCATCG GAGGACACTATGAGCCTCA CTTTGACCATGCTACGTCACCAAGCAGCCCCCCTCTACAGAATGAAGTCAGGAAACCGAGTTG CAACATTTATGATCTATC TGAGCTCGGTGGAAGCTGGAGGAGCCACAGCCTTCATCTATGCCAACCTCAGCGTGCCTGT **GGTTAGGAATGCAGCACTG** TTTTGGTGGAACCTGCACAG >MPM2000-002P8_breast_Table1_393 ACAAATTCAGTCCCAATACTCAATACGTATTATAGATGACTATGAGTGCAAACCTTAGGATGT GATTTTCTGAATAATTG TTCTTTGTAGGATTTGGTTACATTATTTAAAATGAAAAAGATCTAGTTTTAGTGTGAGCTCAGT **AATGTTAATTGGTTAA** GTTCATTGTGAATCTTGAGTTTTAGATAAGTAGTTATTTTTTTCAATATCACTTCTGTTTTTAGT **GATATTATATCAAGA** AACAACGTATTCAAGAGCCATGGCTGACAGTGCCAGATATACTTAGGGATAAACATCAAAAT **GCAATTATAGTTGCTATA ACGTTAGATACTCGGAATCAAAATT**

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>MPM2000-002P8_breast_Table1_394 ACAGTGATAGGTATCTTTCTTTGGAGTTTTTTTTTTTGTGCATATGTGTATAGTTTTATGGGTTC TGAGTTGGTGACCAGT AAGTTGCATGTAGTGCTGGCACTTACTTAATAACTATTCATGATATTGTTAATAACTTGTTATA **GGATTGTATTCCCAAT ACATTAAGCCGAAAAC** ATAATACTAATAGACAACTAACAGTTTGCTTATCAGGCACATCAACTAAGGCACCTCCCCCA TGCTAAGTTTCTCCTGG ATATATGGAAGTTGATTGTTTCCCAGTTTAAAAACT >MPM2000-002P8_breast_Table1_395 ACATAATAAACAAGTTTCAACCAGCAAGAAATTACTAATATTGACTGTGGAGTTTTGGCTGTT TTAATAGTTCTAACTCA TTATTCCGTAATTCAACACAGCACTACCAACACAGCTGGCAATGACAAGACTGGGAGTATCA **AACTAGGATTATTAGGCA** CAATCCAGGTGGCCTCTGCAGCTGTGTCTCTCTTTCCTCTTCTGTTCCTATAAGGGCAGGGC **CTCCTTCAGGAACAGCCA** CCAGTGAGCTTCCTCCCTTCTGGTCAGTTGGATTTGTCACTGTTCAGCATCTTTTCGATG **ATTT** >MPM2000-002P8_breast_Table1_396 ACATTTCCATGGGCCCTGTTCCCATTGATGTATACTGCTTCCTTACTAACAGTGAGGGATGA CTTTCATCAGTCTTTTAT CACCTGAATAGTCTTCCGGCCATAATGATAGTAACTATAAGCTGATGCAGCTGTGGTGAAAG CTGTAAAACACCTTTTAT GGAAGAAAAGAAATAAAATGTAGTTGTCAAGTCTAAAAAAATAGTAGCAACGGGAATCATAATG AATACATGCAATGAATT TAAAATGTAAAAATGAATTTAAAAAGTAAAAAGGGCTCTGTGGTGTAATTTTTCTTAACTACAA GAGTCTAAATACACTG CTTTTCTTTAAGAGTTCATTTTA >MPM2000-002P8_breast_Table1_397 CAGGAATCTTGTCTGAGCTACTGGAATGAAGTTCACAGGTCTTGAAGACCAATATTATTTGTC **AATATGTGGGGATAACC** TGTAGCTGCATTCATGAGGTAGCAAATAGCAGTTTTGGCCTGTGGGGTGAACAGCTAAACAG **TGTTCTGGCATCAGATAA** CACGGCACAAGGGATTGTGTCTAGCTCTTTTGGAGAAAATTTATGTCCAGTCTCAGGATCT **GTGGACAATAACGGAAAA** CTTTGAATATTCCTGACAAGTTGCCATATTAGGAGTCAGTTCTTTACTTCTCTGAGATTCCCA **GGTCATCCATGATTTTT** TTTTTTAATTTGAGACAAAGCCTCACT >MPM2000-002P8_breast_Table1_398 CCACCGCGNGGCGGCCGGCCGGCAGGNATTGNCCAGTATGTTATGCNCNGGGCCGCAAG **AAGGGAGCCAAGCNGACNCCN AGGCNGGAACCNCGGCC** GCCCGGCAGGAACTTGACAGTTTTTTTAGAAGAGAGAGGNNAGGGACTACTCGGNNNAAG CAAGAGAGATTTCGGGGGT CTTTTTGTTTTAACTATTGCCAGGAGATTGGGCTAAAGAGAGACGACGAGAGACAAGAAAT **AAAGGGAATTGCCTCTGG** CTAGAGAGTAGTTAGGTGTTAATACCTGGTAGAG >MPM2000-002P8 breast Table1 399 GGTGGCGGCCGGGCAGGTACTACGGACCGCACGGAGAAGCTGAGGCCTGAGATGG **AGGGGCCCGGCAGCTTCACCA** TCTTCGCCCCTAGCAACGAGGCCTGGGCCTCCTTGCCAGCTGTGAGATGACCTCCGTCTGC CCGGGGGACTCTTATGGGG AACTGCCTTACTTCCCCGAGGGGTGGGCATGATGAATGGGAGCCTGCAGTCATTTCCTACT **GTTTCAGGAAGCTTTCTCC**

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TTAACCCCTTAGAAAAGGCTGTGGAACTTGAGCTAAAATATGTCTTACCAGGTTGCGTCTAAT GCCCCCGTTCCCTACT GGGCAGAAAGACTTGGGTGCTTCCTGAGGAGGGATCCTTGGCAG >MPM2000-002P8_breast_Table1_400 ACTGCTTAATTCTTTTTTCTCCCTCCCTCTAATCCTTTTTTTGACTGTCACATTTGTCCTAATAG CAAGTTAGGACATGT CTGTTGGCTCTCGAGATTCATGGGACAGCAATGCAGCAAATCTAGCCATAGTATTTGCTCTC TCTAGCCCTGCCCTTTTT CCTGTCCAGTGAATATCAAAACAGGTAGAAAACATGGCCTGAAGGATTGTCTCTGCCACCAC CTCCATATGCATTTTACC AGTAGTCCTGTCATACAGGTTGAATTAGTTTTATGTAGAACAAGTCATGAACACTTTAGTGTG GAAAAATAGTATTATAT AAAGCTTAATATTAAA >MPM2000-002P8_breast_Table1_401 ACATTATCAGATACAGTGGTTGACCTCTTTTTTCCTTTACTCCCTTTTCATCTGAGAGAGCCTT TTAGAGATCCGGAATC ATTTGCTGTCTGCAATTACTATAGGCTTTGGCTCACAATTCTGGGGAAAATGCCAATTGAAGG **AACCCTGCCTATACATT** TTATTTTCTTTCTTCGAGACAGACAACCTCAAAATAAGGTCCAAATATTGGTTCCTTCAAAT **GGTGTCAAAAAGAATA** AAAAAAAGACCTTCGA TGATGCAGGTGTCTGTGTATAAGGAACTAT >MPM2000-002P8_breast_Table1_402 CTCAGCGTGGCTACAAGTAACTGTGGTGTGGAAGCAGAGTAGAGAGAAAACTTGTTCCTCAT TAGAGAGAGAGCCACACT TCTCACTGCTCACAATGAGAGGCCAAAGATTACCCTTGGACATCCAGATTTTCTATTGTGCCA GACCTGACGAAGAGCCT TTTGTGAAGATCATCACTGTTGAAGAGGCAAAGCGCAGGAAGAGCACATGCAGCTACTATGA **AGACGAGGACGAAGAGGT** GCTGCCTGTCCTACGGCCCCACAGCGCGCTCCTGGGGAATATGCACATCGAGCAGCTGGC CCGACGCCTTCCTGCAAGGG **TGCAAGGGTATCCATG** >MPM2000-002P8_breast_Table1_403 ACATTTCCATGGGCCCTGTTCCCATTGATGTATACTGCTTCCTTACTAACAGTGAGGGATGA CTTTCATCAGTCTTTTAT CACCTGAACAGTCTTCCGGCCATAATGATAGTAACTATAAGCTGATGCAGCTGTGGTGAAAG **CTGTAAAACACCTTTTAT** GGAAGAAAAGAAATAAAATGTAGTTGTCAAGTCTAAAAAATAGTAGCAACGGGAATCATAATG AATACATGCAATGAATT TAAAATGTAAAAATGAATTTAAAAAGTAAAAAGGGCTCTGTGGTGTAATTTTTTCTTAACTACAA **GAGTCTAAATACACTG** CTTTTCTTTAAGAGTTCATTTTA >MPM2000-002P8_breast_Table1_404 **ACTCTTGGATGTTTTTCTCACCAAGATGAGCAAAGAAAGGTTTGCACAGAGGAGTGTGAAT** GTGTGTTTGTTGCTGGCT GAATGGCAATAGATGTCTAAGGTGGATTCAGTGTCTGGCACACTGAGACACCTCCAAGAAG GAGATTGATGCATCAGGTT CAGTTTAACCTGGAATATCTGACTACCCCTGAATCCACCCAGAAAGGGGGGCCCAACACCCTT **GTCCATTTATGGGTATTT** TTTTTCGAAGTTATTAAGCATATTCCTTTTCCACGAACCTCTTCTGT >MPM2000-002P8_breast_Table1_405 ACCTCCTCATGNACATGGGGTTTAAATAAACTACAAGTTCTATTACCTTTTTTATTTTCCAGGG AAAAAGAAACTTGGGA AGGCTATTTTACACAATTAATTACACATTGACACCACAGTTCTGTTTGGATAAATTGGATACTG TATCCTGGAGTTTAGA

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CAGGGAAAAGTGATCCCAATGTTTTACTTTCAGGTGTAAGATTTAAAACAAGAATTTGGACCA **AAATGTTCATCACTGCA** GTTACTTTCTGCTTTCCATTTTTAAGCATGTTATCTTCATGTAGTCCACCTGAACATCAACAGT **TCAGCCTCTACAGAGT TTCTGTAA** >MPM2000-002P8_breast_Table1_406 ACGTTCAGATGTAGCCATGACTGAGAAATTACACTGAGAGGTCTTGTTCTTCCAGTGGGTG GAATTAAAGACAAAGTGC TGGCGGCACACAGAGCGGGACTGAAGCAAGTCATTATTCCTCGGAGAAATGAAAAAGACCT TGAGGGAATCCCAGGCAAC GTACCTGCCGGGCGGCCGAGGTACTACTAATTCTACAATGCCTTTCTCTTTAGTCAGTATT AAAAATCTTTTTTAAAGT ATTGGTATGAAAACAAATTTTTGTTGCCCTGATAATGGAATTTTAAAACTACCCACAGTTTAAG **AGAAAACATAACTTGG** TAAAAAAGGTAGCCAATAAAACCACAA >MPM2000-002P8_breast_Table1_407 CAATCTGTCTCAACGCATT CAGAGACCAGGCCGTGGGGACGCCGGAGAACTGTGCCCATTACTTCTGCCTGGACTGCATT **GTCGAATGGTCCAAGAATG** CCAATTCCTGTCCAGTTGATCGAACTCTATTTAAGTGCATTTGTATTCGAGCTCAATTTGGTG **GTAAAATCTTAAGAAAG** ATCCCAGTGGAGAACACCAAAGCGAGCGAGGAGGAGGAGGACCCGACCTTCTGTGAGGTG **TGCGGCAGGAGCGACCGTGA GGACAGGCTTTTGCTCTG** >MPM2000-002P8_breast_Table1_408 ACCAGTTCTAAATGGGCCAAGATCCTGGGGACGCCAAAGTTATTGGCTGGATGGCTGATGA **ACTGAGGCCAACTAGAGAC** TGGTAGCACAACTGGGGACCACTTAGGGATGGAGAGTGAACACATCCTGGGCCTGGATAGG **ACGGGGAGATGGTGAGTGA** TGGTCAGACGTGGCCCTTGGCTCTCACTGTTGTTATCCCTCTCACGTTCACATAGGGGCACA CGCAGGGCCAGCTTCATG GGTGTGCAACCTGTGCAGCCACTCAGAAGGGCCCCATGCTGGGTTTAATGCTTGGCTGTCA CCATCATGAAATTAATAAT GGTTGAACAGGGGCCCTGCGTT >MPM2000-002P8_breast_Table1_409 ACAGAAATAAAAATTAGCAAACAATTATTCTAGGGATATTTTCAGATTTTACTTCATTTCTTGA **AATGCGTGTGCCATAT** GCAATTGCATTTCTTGTGCCAAGAAACTAATAGAACTTATTTCACTTTACCTTTTTTAAAATG TGAATITAGTTATTAT AGTTCAATTITATGGCCTTACAGATGGCTTTTATTTTGTTTGCAGCTGACACTGCAGTTCCTTT CATGCAAAATACCATA AACTGTTTGATGAAAATCATGCCCCTAATGGAAACTCTCTAGTTTTTCCATATAACTATCCTAC TGTACCTGCCCGGGCG GCCGCTTCGACCAACATGTGGTGAGCATTCCACGGGCGCATGAAGTCTGGGTGCTGTGCTC **GAGTCTCTGAATATTTTGA** TAGGAAGCGACAAGAAAATCAAACTGCTCTTTGCTGACTACTGGAAAGTGAAAAGAT >MPM2000-002P8_breast_Table1_410 **ACAGAAATAAAAATTAGCAAACAATTATTCTAGGGATATTTTCAGATTTTACTTCATTTCTTGA AATGCGTGTGCCATAT** GCAATTGCATTTCTTGTGCCAAGAACTAATAGAACTTATTTCACTTTACCTTTTTTAAAATG TGAATTTAGTTATTAT CATGCAAAATACCATA AACTGTTTGATGAAAATCATGCCCCTAATGGAAACTCTCTAGTTTTTCCATATAACTATCCTAC

> Page 70 (of 176 pages in Table 5)

TGTACCTGCCCGGGCG

Table 5

GCCGCTTCGACCAACATGTGGTGAGCATTCCACGGGCGCATGAAGTCTGGGTGCTGTGCTC GAGTCTCTGAATATTTTGA TAGGAAGCGACAAGAAAATTCAAACTGCTCTTTGCTGACTACTGGAAAGTGAAAAGATGC

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GCATTGAAAATAAGGTTGATCATGGGAATATGCAGAATTTCCAATGTATTTTTAAATACAAATA AAATTGTAATTTAGAA

TTTTTAATCTTAGGTTTCTTGATTAATTTATAAGAGATCAATTATTGTCAGTCTTTTTTGTATGT
TTTTTAAAAACATAG

TCCAGAGCATGGGCAGAATTGACACCTCTCTTTTAAGTGAAATTTGGATTGCTCACAAAGCA CTAGGAAATGTCATGGGG

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AACTATGATACGAGAGTT

TCCGAATGGGGTAACCTAACTGAGCAAACCTCAGTTGCATTTTGATGAATCCATAGTCAAATT AGCGAGACACGTTGCGA

ATTTAATCCTCATAAAAATCCTGTGAGGTAGGTAGTATTATCATCCCTAATTAAAAGATGAGGAAAATTGAGACACAGAGA

AGGATTCATCACAATATTCCTATGAGCAAATCTCAAGGTTTTTGGATATCTATAGTAAACCATTTATACTTCTAG

TCAAGTAACACATATGAAAATTCATGTCCACACCATGGTGAAGAAGTTGTTCAAAGAATAAAA TGAATGCCTTGAAATTT

TGGCAGATGATACTACCATGATAATAGGTA

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ATGCAATGAGAATATTAAGCCTGAGGCTAGTTCTCAGTGTATAGGTTTAACAAATTAAGGCTC ATTTTCCCAAATCAAAA

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Page 72 (of 176 pages in Table 5)

ACTAGTAACAGGTGATGTTCTCCATGTCTGTAAAACTTTGGAACCACATAGCTGATTTGTTAA **ATCTAGTCCATGCCAGC** TTCCAAAAACCAAACTTTTAGTTAGCTTCATTCTTTGATGCC >MPM2000-002P8_breast_Table1_422 ACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTTCCAGTATTTGCCCGTTGTAAA **GCTCATTAAGGCCAACTT** TTACTTTCAATATGTGATTCTGCAGAATTAATTTAAGGAGGCGCTGATCCATGCTGAGAGTAT CATCAGAAAATGC >MPM2000-002P8_breast_Table1_423 ACTGATTTCAGTAAGTCTCATAGGTTAAAAAAAAAGTCACCAAATAGTGTGAAATATTACTT **AACTGTCCGTAAGCAG** TATATTAGTATTATCTTGTTCAGGAAAAGGTTGAATAATATATGCCTTGTATAATATTGAAAATT GAAAAGTACCTCGGC CGCCGGGCAGGTACCATCTTGGCGGATGACTTCAGCATTAGATGGTCAGGTGTATTTTTTT **ATTAATAGGCGCATTCAG** TTTGGAAAAGGCAGCTTTTCATTAATGTCCCACGTAAAGGAATATGGCCTATACAGT >MPM2000-002P8_breast_Table1_424 ACAGTAACATCCAAGAGCCCATTCTACAGTGGGTGGTTTTGGTCTTTTTATAACTTTTTCTCA **AAGTCACTGATGTTTGT** TCCTGTTAAATGTATATGCATTGTAATGAGAGCCCATCAAATCCTGAGTGTCAGTTTGTTGTA **CCTATTGTAGATGAAAT** AGAGATGTACCACAAACCTAGTAAATTCTGAATGCTTTTTCACGTAGACTTATCTGGAATGGG **AACACACCTCTTCGGAT AATAGGAAATGCTTAA** >MPM2000-002P8_breast_Table1_425 GAAAACCAATGCAGGTG AAGGTGTTACCAGGAAGTTAAGCATGCCAAAAGGTGTTCCGTGCGAATGAAAACCTAAAGCC **AAGGTACTCTCCACTCTT CTCTGGGCTCCGAATGTTCT** CGATCTGCTGGCTCAGGCTCTTGAGGGGTGGTGTCCACCTTGAGGTCACGGTCACGAACCA CATTGGCATCATCAGCCCG **GACCTGCA** >MPM2000-002P8_breast_Table1_426 TAAAAATGTAATCTAGTTGGCAAAGGTGTGCGCTAAAACACGGAACCGAACATGCATTGATT TGGATAACTTTTGAGGGT TTTTGTCAAATAGCATGTGAAGAGTTACATTTTTCTTAAAAGATTGGTGGTCCCAATGTCAGA GTTCTTGGAACAGATAA CTGAATGATAGATTTTTTTTTAAAGATAAAACTTTACAACCTGCACATTTGTTATGCATACTAA **ATGGTGTGTTAAAAT** TAGGGTTTCTTTGCCTCTCTACACTACACTAATCTGCCTAAAGGTGGATGTTTCATATTTATAA TGCTAATTATCATACC TACCTACTTTAAATTTTAGGTAGAAAATTATCTGATTTAAATACAAACATATTTTTCTCACATTG **AGTAATATGCATAAT** GTAGGTTCAAATGTATTTCATTACTATAGTCACAATATCCAACTAAAAATTA >MPM2000-002P8_breast_Table1_427 **ACTTGGCATATTAGGCCTTCAAATGATGATGGATGGATAGACAGATAAAAGGCCCAATGA ATGATTGTAAATGTGTCT** TCTCCTATGTATCCATGATGATATTGCCTAGTTTTTAATACAAGCTTAAGAATCAATAAAATGA **TAGATCTGAAATCTGT AGATGCCAGTCTGGCTCAG** >MPM2000-002P8_breast_Table1_428 ACACGCATACAGGGCAGATGTCAGAGATTATGATCACAGGGTGCTGCTCAGATTTCCCCAAA GAGTGAAAAACCAAGGGA CATCAGATTTCTTACCCAGCCGACCAAGATATTCCTGGGAATGGCACAGTT

> Page 73 (of 176 pages in Table 5)

>MPM2000-002P8 breast_Table1_429 **ACTGCGTGTTCAACCGCAACGAGGATGCCTGCCGCTATGGCAGTGCCATCGGGGTGCTGG** CCTTCCTGGCCTCGGCTTTC TTCTTGGTGGTCGACGCGTATTTCCCCCAGATCAGCAACGCCACTGACCGCAAGTACTTCCT TTGGCAGACGGCTATTAT **GTTTTACTTTAGTGCCGTATTGTGGATGCCAGAGAACTTGCATTTGCCAGGGAATAATCTCCT** GAGATGCTATATTATGA AATTTTTACCATTTTAT ACCATGTGTCTTCAGTAGAATTTTGCCATATTATATAACCACAGGCAACCC >MPM2000-002P8_breast_Table1_430 ACTCTTCACAGCTGATCCAGAAGTCAATATTCTCCTCACTATATTCAGACTTCAAGAAAGCTT **TGAAAGCTGCCAGCCCA** CATTCATGACTAATCAGGTTTTCCAGTGATTCAGCCCATTTCTTGACTTCCTCTTGGCTCACT CTCTGGCAAATAACCAC TTTGT >MPM2000-002P8_breast_Table1_431 CGCTGGCGTTGGAGAGCGT GCTTGAGAATGAAATGTTTCCCATCATAGTGGATTCTTAAGCACGTTCTCCACGTATGCGGC **GTGCTAGCTGGATGTCTT TGGGCATAATTGTTACACGTT** >MPM2000-002P8_breast_Table1_432 ACATCGATGTTGATCTTCAGTTTATCTCCCCGCGACTTGTCCACGTAGAGCTCAGGATGCAC **CTCCGTGGTGAGGTAATA** CTGCACCTGCCCGGGCGGCCGAGGTACATGCCTAGACCTGGGCTCCGGCCAGCGCCCAAC AGCGTGGATGTCGATGACTT CATCAATACGAGAATACAGGAGGCAGACAATGACCCCACGGCTCCTCCTTATGACTCCATTC **AAATCTACGGGTATGAAG** GCAGGGGCTCAATGGCCGGGTCCCTGAGCTCCCTAGAGTCGGCCACCACAGATTCAGACTT GGAC >MPM2000-002P8_breast_Table1_433 TCTTTCTCAGCACCAG ATGTGTCCATATGTATTTAAACAGTAGGAGCATTGTTTCTAAATTCATCTATGCTATGACATAT ATAAACCCATTATTAT TATGTTTCACTAAAGTTCCAGCACTTTAGAAAAGTTTCAGTTCAAAGTCATTTTGGCTCATTCA TTTAGATAATACTGAC CATTTTGCACTACAATTTCAAAAGGAACATGAGAAATTTGGATTTCTTTGAAAGAGTCAAATAT **GTAATTACAGAATTGA** AACACTGTGTTAATTACAAAGTGATGGTAATAATAAACATTAAAAATTTCCCAAGTAATGATGA **CTTAAGC** >MPM2000-002P8_breast_Table1_434 ACAGGAGTTTCCCTATTTTGGTGTTCAGCTTGAAAAAGGACTTGTCAGAATCAACTGTGTCAT CAAAATTTAAGTAATGT **GCATTGAAAATAAGGTTGATCATGGGAATATGCAGAATTTCCAATGTATTTTTAAATACAAATA AAATTGTAATTTAGAA** TTTTTAATCTTAGGTTTCTTGATTAATTTATAAGAGATCAATTATTGTCAGTCTTTTTTTGTATGT TTTTTAAAAACATAG TCCAGAGCATGGGCAGAATTGACACCTCTCTTTTAAGTGAAATTTGGATTGCTCACAAAGCA CTAGGAAATGTCATGGGG **ATTAACAGTTCATGTA** >MPM2000-002P8_breast_Table1_435

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Table 5

TGCTGAAAAATATTT GAAACTTGTGGTCTCTGAAGCTCGGTGGCACCTGGAATTTACTGTATTCATTGTCGGGCACT GTCCACTGTGGCCTTTCT TAGCATTTTTACCTGCAGAAAAACTTTGTATGGTACCTCGGCCGAGGTACACAACTGGAAAG **ACTGCTGTAATAACACAG** CTATGGAGGACCTTG GTCTTCATCCAAGTGGCCTGAGTATTTCACTGGCAGGTTGTGAATTTTTCTTTTCCTCTTGGG GATCCAAATGATGATGT GCAATTTCATGTTTTAACTTGGGAAACTGAAAGTGTTCCCATATAGCTTCAAAAAACAAAACA **AATGTGTTATCCGACGG ATACTTTTATGGGTACT** >MPM2000-002P8_breast_Table1_436 ACAGGAGTTTCCCTATTTTGGTGTTCAGCTTGAAAAAGGACTTGTCAGAATCAACTGTGTCAT CAAAATTTAAGTAATGT GCATTGAAAATAAGGTTGATCATGGGAATATGCAGAATTTCCAATGTATTTTTAAATACAAATA **AAATTGTAATTTAGAA** TTTTTAATCTTAGGTTTCTTGATTAATTTATAAGAGATCAATTATTGTCAGTCTTTTTTGTATGT TTTTTAAAAACATAG TCCAGAGCATGGGCAGAATTGACACCTCTCTTTTAAGTGAAATTTGGATTGCTCACAAAGCA CTAGGAAATGTCATGGGG **ATTAACAGTTTATGTA AGAGATTAAAAATGCG GTATCTTTTTAAG** >MPM2000-002P8_breast_Table1_437 ACTTAAGCACTGCAGATGCTCCAGTAATATGCCCATAAGTTCCTTTCCAATTTCAATTACTGG **GAAAATATACATATGGA** CAATAGATGGATGCCACAATAAAAGGCTGGCAGCCTAACCCTCACATGAATTTTTCCCTACC **TCTATTTAGGGTGACAGT** GGAGGCCTCTGGTTTGCTTTGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGG **TCTTGGCTGTGCACGCCC** CAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATTGAGGGAGTGATGA **GAAATAATTAATTGGACG** GGAGACAGAGTGACGCACTGACTCACCTAGAGGCTG >MPM2000-002P8_breast_Table1_438 ACCAGAAACATTTTCTTTTATTGTTACTTGCTTTTTAAACTTTGTTTAGCCACTTAAAATCTGCT **TATGGCACAATTTGC** AGAAAACTAAAAAAA AAAAAAAGGAAAGAAT TCAAGCTATTAAAAAACACAGAAGAAGAATAAATGGTTTTTGCTCTGGCCCCCGGAGGTCT TTCTTATAAAATAAATAT >MPM2000-002P8_breast_Table1_439 TTCAGCTTTCTTTACC AAACTACCCTTAACCGGATTCTCCTTGAAATGACATCACCTGACACCCATGGCATGCTGCAT **GCCCACAGCTAGATTACT** TTTTAGTGCGCCCACGCACTTCTGCTTTTATTAGGTGAGGCAGAATCAAGATTCCCTTTTGTT **GGATCTTGAACCTGTTC**

> Page 75 (of 176 pages in Table 5)

ATGCCACTTTGATATTCTAAATTCATACATAAACCAATGAAATATATGTGTTAGAAAAATTGCT

ATTTCTAGCTGGACGC

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AGTGGCTCATGACTATAATCCTACCACTTTGGCAGGCCGAGGCAGGAGGATTGTTTGAGGC CAAGAGTTTGAGACCAGCC TGGGCAACATAGTGAGACCCTGTTTCTACAAAAAATAATAATACAAAAAATTAGTGGCTGGGC **ACAGTGGCTCACACCTG** TAATCCC >MPM2000-002P8 breast Table1_440 **ATGATTGTAAATGTGTCT** TCTCCTATGTATCCATGATGATATTGCCTAGTTTTTAATACAAGCTTAAGAATCAATAAAATGA **TAGATCTGAAATCTGT** AGATGCCAGTCTGGCTCAGTATTAATACTGACAGTAGTTTTTTTGTTTTTAAGAAAGCAAGT ATATTAAAATATCTCTG TTAGAAAAGATTACAATTTGAAAGGATCATTCTACAATCTTAGAACTAAAAAGCAATTTAAGGC AAAGAGGTACCTGCCC >MPM2000-002P8_breast_Table1_441 ACCAGGTTTTATTTTTCACCTTATTCTCTACTTTAAACAAATCATAACTTTCTGTTTAAGCCTCT **GCTATAAATTCTCCT** GGCTCTCCTGGGCTTCCATATTTTGGGGGGCTGGGGTGTCAAAAGTGAGATGAAGTTCTTAG **CTCCAGGTTTTGGGGTAAA** CCAAGGTAGGAACATTTTGGCATTTATTTCAATTAACAATACTTCCTTGGACGGGTGCGGTG **GCTCACGTCTGTAATCCC** AGCAACTTTGGGAGGCTGAGACAGGTGGATCACTTGAGGTCGGGAGTTCTAGACCAGCCTG **GCCAACATAGCAAAACCCT** GTCTGTACTAAAAATACAAAAATTAGATGGGTGTTTTTGGCACCTGCCT >MPM2000-002P8_breast_Table1_442 ACCTCTTTGCCTTAAATTGCTTTTTAGTTCTAAGATTGTAGAATGATCCTTTCAAATTGTAATC **TTTTCTAACAGAGATA** TTTTAATATACTTGCTTTCTTAAAAAACAAAAAACTACTGTCAGTATTAATACTGAGCCAGAC **TGGCATCTACAGATTT** CAGATCTATCATTTATTGATTCTTAAGCTTGTATTAAAAACTAGGCAATATCATCATGGATAC **ATAGGAGAAGACACAT TGCCAAGT** >MPM2000-002P8_breast_Table1_443 ACTGACAGGAGATTGGCTTTTACACTAAAAAAGACAGAAAATGGACTAAATAGGAACATAATT TCAGAGTTTATGAGTCA GTTTACAATATGCCATATTAGCGATCTCATGATGATTCAGACCACAGTCTGGGTTAAAGATGT **CTTGACCTCTGAGGCTA GCATAACATATATGAGAATACAACTTGCCTATTTCCAGAAAATCTGTATATTTTTATAGAATAA** CTITATITACAATTIC TATCATCCAATTACTCACTAGGCATTATTTGTAGTACCTCGGCCGCCCGGGCA >MPM2000-002P8_breast_Table1_444 ACAGCAGAAGTTTGCTGTCTCTAGGATTCATATAGCACCCACAGAGCTCCAAGTAACCAAAT **TCCCCCAAAGACAGGAGG** TGTGGCTGAGGAGGAGTGACCATATTGAGTGTAGCTTTGAACGCCTCCGTTACTCTTTAGGA **GGCGACCGCCCCAGTCAA** ACTACCCACCACGCACTGTCTCCCTTCCCAGATAAGGGGAACGGGTTAGAAAATCAATTTAGC **AAGGGTGGTATTTCAAGG** TTGACTCCACTAGAACTAGCGTCCCAGCTTCAAAGTCTTCCACCTATCCTACACATGCTAAAC CAATTTTCAATACGAAG TTATAGTAAAGCTCCACGGGGTCTCTTCGTCTTGATGCGGGT >MPM2000-002P8_breast_Table1_445 ACTCCTTTTTTAAAAACACTGTAAAAGTAACCACAAATATGTGAGGACTTACTATTTTAAATGG **AATGGAATGAGCTCCA**

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Table 5

ATGTGTCATATCTTATTAATATGTCTCATGTCTCGTTCCTTCATAATATGATTTAGCTGGAATT

CATTTTCTTTTCGTTT
CATGTTTAATTTCATAAAACGTTTAACAATTGGCATATATACTTGGCATTCCTGTCCACCAAGG
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GGGAAAATCTTAAATTTCTTTTTACTTAAATCTGGAAATTTGTCTCCATTCTGCCACCTTTTTTT

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>MPM2000-002P8 breast Table1_448

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TTCAGTTTCCTTGAGGGGTTAGGTGTTGATTTAGAATACAGCCAGATAATTTAAAGCATGTCA GGCCCCGGTTAGGAAAA

TGAAAATGGCTCCGATTCGTTTCCAGTTGGCTTTATTATT

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GTGACAAAGATTTCTGTTGGTGGCTGAGAGTCAAAGCAGGCCAATCCACACCATTACCTGAA
ATATTTTTCAGGCTAATT

TATAACTTTATGGATTTCCTCGATACAAGTTTATTAGTTTATTCTCCATATACAAGTTTATTCTCCCAGAATAGCAGCAA ...

ATAAAACTTGAATTGGATGTACCTCGGCCGAGGTACTACGTGCCAGCTCTAGTTTTCAGCCTTGGGAGGTTNTATTCTGA

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>MPM2000-002P8_breast_Table1_450

ACACTGCATATAAAAATGGTCTAAGATGCAATTTTCCTCCATTCCTTTTTTTGCTTTTAAAATAC TGAGACAGCATTTTAA

ATCCATTTTTAAAGT TAGCTAACAAGATGATGTTTCACTAAAATAAAATATCCAATCATCAGATTAAAGTGTAAAGTTT **GTGTGAACAGGGAAAT** TAGATCATTTCTCTAAGTTTTAATTCCTATGTTTCTGAATGTTTCTTGAATTAAAAATTCATTTC ATCATCTTACTTTCA **AAATAAATATTTAAAA** GTATAGCTTACAGTGACAATGTAGTATTTTAGACCTGTGCCTTCGTGCCTATTTGCA >MPM2000-002P8_breast_Table1_451 ACTACGTGCCAGCTCTAGTTTTCAGCCTTGGGAGGTTTTATTCTGACTTCCTCTGATTTTGGC **ATGTGGAGACACTCCTA** TAAGGAGAGTTCAAGCCTGTGGGAGTAGAAAAATCTCATTCCCAGAGTCAGAGGAGAAGAG ACATGTACCCCACCTCTGA **TGGGTGAGAGCCCGTCACAG** TCCTGGGTGTGCTCTCGGAAGAATTAGGAGGCAGCCATAATAAGAGTCTTCAGAGAGA **TGATGGGAGGGGGCCAGTG** AGGACAGGAACAGAGGAGTAGGATGTCCTATAATAAAGGGGCTT >MPM2000-002P8_breast_Table1_452 AGGAGTGTGGTTAGGAG AGCACAGGTGTTCATACAGTGGCATTTGGGACACAATCGTTGGAACCTGAAGAATCTGAA **GTTTTTTTTACCACCATC** TTTTTCTACTCTGTAAGGAAGTAGATCTTTATGGGGAAAAGAGAATTTGGGGTGTTCTGCAAG CCAGTCAAAGTGGCACA TCATATTTTTCCTTTC **ACTITCGGTTTAAAACATGCTATATGT** >MPM2000-002P8_breast_Table1_453 **ACTTGGCATATTTAGGCCTTCAAATGATGATGGATGGATAGACAGATAAAAGGCCCAATGA ATGATTGTAAATGTGTCT** TCTCCTATGTATCCATGATGATATTGCCTAGTTTTTAATACAAGCTTAAGAATCAATAAAATGA **TAGATCTGAAATCTGT** AGATGCCAGTCTGGCTCAGTATTAATACTGACAGTAGTTTTTTTGTTTTTAAGAAAGCAAGT **ATATTAAAATATCTCTG** TTAGAAAAGATTACAATTTGAAAGGATCATTCTACAATCTTAGAACTAAAAAGCAATTTAAGGC **AAAGAGGT** >MPM2000-002P8_breast_Table1_454 CCACTGACTTTGTGACTTAGGCGGCTGTGTTGCCTATGTAGAGAACACGCTTCACCCCACT CCCCGTACCTGCCCGGGC GGCCGCCGGGCAGGTACAAGCTATTATATATTTTCATAATATAGAACTTTAAAGTATAGTAA **TCAACAGTGGCAAAATA** TTTCTGTCTCTGACATTATTATTTGTGAGATCCAACCTGTAATTGAGATCAGAGAAAACAGTAT **GGGAAAACAAATCCAT** GAGAACAGGATAAAAATATCATGAACAGCAAAATATGTCTGAGTATTTAAAACTGTATAGAAA **AAATAAATTAGATGAAC** TATATATTGCCAAAA >MPM2000-002P8 breast Table1 455 CTTTTTTTTTTTTTTTTTTTTTTGGGCGAATACAGATAAATTTATTAGTTAAATACTGATTTTC CAGCCATTTCACCT TAAGACAATGTTAACAGGTTTGTGGGTTAGGGAGGGTATACGAGGGGGCCTTTGGAAGAAA

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ACAATGTAAATGATGATTA

Table 5

AAACAGAATCTTGGTTCAAAGGTATTCTCTGCTATAGCCAGTAGGATTTTGGAGTGAGGGGT CTGGGCGTGTGGGGAGGC **GTAATAATGCCACAGTCAGCTACA** >MPM2000-002P8_breast_Table1_456 ACCTTTGATGAAGGAACTGACAGGAAATTAACAGCCTCGTGCAGGCAAGGACAAAGACAAG **AAAAGGCCCATTTGGGCCT** CATATCTCTCTGGATTGGAACCCGCAGGAAGCAGAAGGGGCTGTTTAATCCTGGCTCCAGA **GCAACCGTGAAGGCTGGCT** TCCTCCCTTGAAGAACAAGGTGAAGGAAAGAAATCACTGTGTTTTCAGCTCAGCGGCCC **TGTGACATTCCTTCGTGT** TGTCATTTGTTGAGTGACCAATCAGATGGGTGGAGGTGTGTTACAGAAATTGGCAGCAAGTA **TCCAATGGGTGAAGAAGA** AGCTAACTGGNGACGTGGGCAGCCCTGACGTGATGAGCTCAACCAGC >MPM2000-002P8_breast_Table1_457 GGCGAGGTACTGCATGTTACATATTCTTCTTTAAAATTTTGTAATAAACATTGACAGTGTTTGG **TGGGCACAGGGAAACA** GGATAACGTAGAGTCATTACAGAAGAAAAAACTTATTGCTAACATTGCAGTATTCCTTTTAT CAGAATTAGGTGAGTAT TGATTGTAAAAGCTCTATCAACTCTTGCTCTTATTTGATGACTTTTGAGACTTTTTTACTCTTGC **TATAAAAAGAAGGCTA** CTTTCTTTCCCTAATATTTCTACCAATGCGAATAATTCAGGAAACAATGAGAGAAAAGTAAT TCACACTTAATGTGTT ACCCCCTTAAAAACACC >MPM2000-002P8_breast_Table1_458 ACATTTCCATGGGCCCTGTTCCCATTGATGTATACTGCTTCCTTACTAACAGTGAGGGATGA CTTTCATCAGTCTTTTAT CACCTGAACAGTCTTCCGGCCATAATGATAGTAACTATAAGCTGATGCAGCTGTGGAGAAAG CTGTAAAACACCTTTTAT GGAAGAAAAGACATAAAATGTAGTTGTCAAGTCTAAAAAATAGTAGCAACGGGAATCATAATG AATACATGCAATGAATT TAAAATGTAAAAATGAATTTAAAAAGTAAAAAGGGCTCTGTGGTGTAATTTTTCTTAACTACAA **GAGTCTAAATACACTG** ACAAATTACTACTACT **AGCAACTGTCATTTTTTACTC** >MPM2000-002P8_breast_Table1_459 ACAAGCTCCTAAAAGAAGATTACTGCTGCCAACTTAAGTCATCTCCATTAACGAAATTGCATT CTTGTGGCAGAGTTAAA ACAACAAGAGAAATTCAGTGTTTGCTGGTTCTGAATGTCATTTTTCCTCCCTGGTGTGGTTTT **ACATTTTCAGCTTCTTT** CTGTGCTTTATTGTTG **TATGTGTTTGGACAAATT** CGCCTAGCGTGAGAATCATCAGTAGTGAGTTTAAAAGTTTGAAAATCAGACCCAACATTTTG **GGGTGTTTAAAATATCTC** CCGCCTTGAAATGGCTCCTGTTTAGCTGTTAGATGGGAGAGCACTTGGATCAAAACAAAAAC GAAATAAAAAC >MPM2000-002P8 breast Table1 460 ACCTTGACGAGAATGAAAAGGTTGTATTAAAGAACTATCAGGACATGGTTGTGGAGGGTTGT **GGGTGTCGCTAGTACAGC** AAAAAAAAAAACGTCAAGCCAAACACAACAGCGGAAACGCCTTAAGTCCAGCTGTAAGAG ACACCCTTTGTACAAGCT

> Page 79 (of 176 pages in Table 5)

>MPM2000-002P8_breast_Table1_461 ACAATGTTATGTCGGGAACACGTGCTGCTAACTCACTGGTGAGTTCAATGGCAACGCTTCAT **TCGGGAGGCTGTTCTGCT** TTACGCATCTGAGAACTACATAGGAGAGCAAGTGTCTGCACCTCCTAACTGCAGAAGCTACC **GTCTTCTCAAAGACGAAG** GTCTTTGCAAAGTTCAGTGCTCGGTGTTCTCGGCACAACAATGCAGTGTAGTTCAGAAGGTA TTTTGGCAACTCTTAATC TGAACAAGAATGGGGGGGGCCTTTTGAAAAATAAGGCTTTAAGAAGGCTTGTCATTTTAGG **GCTAAATTTTAATAGAAT** GTGAGTCTGAACTCTTACATTTAGAACAAACCAAAACCTTAAAATTACTGATTGGTTCAAAAAAT **GGTTTTATGGAAAAAT** >MPM2000-002P8_breast_Table1_462 ACAAGCTTTTTTTTTTTTTTTTTTTTTTCCTGTTGCTACTAAGATGTTTCAATTCGCAACGT **GTCTCGCTAATTTGA** CTATGGATTCATCAAAATGCAACTGAGGTTTGCTCAGTTAGGTTACCCCATTCGGAAATCTCC **GTATCATAGTTTATTTC** CAACTCCACGAAGCTTATCGCAGGTAATCGCGTCCTTCATCGACTTTCAACCTGCCCGGGC **GGCCGCCGGGCAGGTACC** AAAAACCAACATGACACACAGGAAAAAATAAAAGTGCAATTTTAATATAGGGAATGTGATACA TGTATAATTCCTCATAA CAAAATGGTCAAAACCTTTAAAAGATCCACAATAGATATCTGAAAATCTT >MPM2000-002P8_breast_Table1_463 AGCTTCTTCCTGCTTTGCA GGAAGGACAGAGGTTGAGGTAGGAACTTCATAAGCAATTTGGAGAGAGGCTCCTCCCATAT CCAGTATCCCTACTGTCCT TCTCCGTCCTGCCAATTCCTGGGTAGCCTCAGCATCTGATTCATCCTCGTGGTCGAATC **TTCCCAAAACAAAGTTGA** TTCCAATCCATGCATAAACCCCTTCCTGCTTCCCAGAGATCACTTCTGCTTGAGACTGTGAAA **AGAGGAAGTCAAACTCC AGTGGTAAATC** >MPM2000-002P8_breast_Table1_464 ACATTTCTTGTTTAGGAGGGTTTTCCTATCTACCTTTCTACTGAAGTAGTTTCTGGAACTTTCC TGGTGGATCAGAGTTA CGTAATGCAGTCTGAGCCTTCAGACTGCTAGTTAGAATTGTTTTAGGTGTTCAGAAAGGGCA **AAATAGGCTGATGTGGCC** TGTCAGAGTGATGTTCTCAAAAAAGTTCACTTGCACATCTGTGGGCCGCTTTTGTCCTCA GACCCTTAGTGGACAGAC TCCACAAACCCTCTGATGAGACGATTGATGTGGCCAGGGTCCAGTTAGCATCAGTAGAAGG **ATGTCACTAGGAAAGGCCC AGGTATCTGGTAAG** >MPM2000-002P8_breast_Table1_465 ACCTCAAACTCAGAGTTTCTTCCCTTCTTTGATTTTCTGGAGGACCTGCAGCTGGCCTTCCTG AGACAGGCTCCATTCCT **GTTCCATTTGCCTTCCCGGCAGCCTTCCCTTTAGTGGGTATAGGTTTTGACGTTCTGAGTTA** CTTTGTATCAAAGAGCTA ATTAAAAATGGTCCTTCAAAAACATAAAGAAAAACAGCTTGAAAAATGTACCTGCCCGGGCG **GCCGCCCGGGCAGGTACC** AAAAACCAACATGACACACAGGAAAAAATAAAAGTGCAATTTTAATATAGTGAATGTGATACA **TGTATAATTCCTCATAA** CAAAATGGTCAAAACCTTTAAAAGATCCACAATAGATATCTGAAAATCTTAGCAATGCTGTAT ATATTTTGAGGACTAAA **TGATGAATTTATA** >MPM2000-002P8_breast Table1 466

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ACCTCAGCTATCAACATTTCTGAGCTACCATTCAATGTTCCTCTGTGTCATGGAGTGAAATTC TTGTTTTGTGGGTATTA GGAGTGTGGGAATGTGATAACCTAAACAACCTTTGCTCTGAAATTCCATTTTTCCCTCTTTCC CTGAGTTGTATTGACCT ACAGAGTTAATTTCCTTTGTATTTTTTAAGAAAATATTAAAAAATCAACGGTCTCAAAAAACCTC GGCCGCCCGGGCAGGT **ACTCCAAGATGAGCTTGACGCGGCTGTGCAGCATCTTGATGGCGCTGTGCTGTGCTATCAG GTGTTCAGCCACAGTGGAG** >MPM2000-002P8_breast_Table1_467 **ACTTGGCATATTTAGGCCTTCAAATGATGATGGATGGATAGACAGATAAAAGGCCCAATGA ATGATTGTAAATGTGTCT** TCTCCTATGTATCCATGATGATATTGCCTAGTTTTTAATACAAGCTTAAGAATCAATAAAATGA **TAGATCTGAAATCTGT** AGATGCCAGTCTGGCTCAGTATTAATACTGACAGTAGTTTTTTTGTTTTTTAAGAAAGCAAGT **ATATTAAAATATCTCTG** TTAGAAAAGATTACAATTTGAAAGGATCATTCTACAATCTTAGAACTAAAAAGCAATTTAAGGC **AAAGAGGTACCTCG** >MPM2000-002P8_breast_Table1_468 ACTAGGTTAGAACATTGCTTAATCCTTTTAAAAAAAATGCATTTACGTAAACACGAATACTGAA **ATTGTTGGATTTTTTA** GTGGGGGAAGAAAGA AACTGTATTTCAGAGTAAAATCTCCTAAAGGATATATAAACACAGAGTTGCAAATACACATGC **TTGCAAAAACATTAGTA** TGTGAAATCCCTAGCAACAAGTCACTGGATTTTTCTCTGTCAGCACGCGTGTCAGCTGCCAA **AGAATAG** >MPM2000-002P8_breast_Table1_469 ACAAATGTGGTGTGTCTTCCAACTTTCATTGAAAATGCCATATCTATACCATATTTTATTCGAG **TCACTGATGATGTAAT** GATATATTTTTTCATTATTATAGTAGAATATTTTTATGGCAAGATATTTGTGGTCTTGATCATAC TTATTAAAATAATGC CAAACACCAAATATGAATTTTATGATGTACCAAGAAAGTCGGGATCGTCGGTAAATACGGGA CCCGCTATGGGGCCTCCC TCCGGAAAATGGTGAAGAAAATTGAAATCAGCCAGCACGCCAAGT >MPM2000-002P8_breast_Table1_470 TTGAGCTCCATAGAGACAGCGCCGGGGCAAGTGAGAGCCGGACGGGCACTGGGCCGACTCT **GTGCCTCGCTGAGGAAAAAT** AACTAAACATGGGCAAAGGAGATCCTAAGAAGCCGAGAGGCAAAATGTCATCATATGCATTT **TTTGTGCAAACTTGTCGG** GAGGAGCATAAGAAGAAGCACCCAGATGCTTCAGTCAACTTCTCAGAGTTTTCTAAGAAGTG CTCAGAGAGGTGGAAGAC CATGTCTGCTAAAGAGAAAGGAAAATTTGAAGATATGGCAAAAGCGGACAAGGCCCGTTATG AAAGAGAAATGAAAACCT **ATATC** >MPM2000-002P8_breast_Table1_471 CGTACAGGCTGTGATACGTGTGGCGATCGATCTTCTTAGATTCACGGTATCTTCTGAGCAGC CGGCGCAAAATCCTCATT CTCCTCATCCATGTGACCTTCTCTGGCATTCGGGCATTGGCTGTACGAATCAAAGCACTTAC **ATGAGGGGGCAAAGTCAG** AGACAGCTGAGGAGCTGAAGAAGGTGGCTCAGGAGCTGGAGGAGAAGCTAAACATTCTCAA CAATAATTATAAGATTCTG AGGGCCAGGACAAAATGCA

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AACTTTTTTTTTTCTGAGACAGAGTCTTGCTCTGTCGCCAAGGTGGAGCTTGCAGTGAGCC

GAGATATCGCCACTGCAC

GACGAATAAAAAGGAGGCT TGAACGAACCATCCATGAAAAGGCCAGGAAAAGAATGAGCTCAAAATGGATAAAGCCC >MPM2000-002P8_breast_Table1_472 ACAAGCTTACCTTTTAGGGTAGAAAAAGAAAGATCATTTGAAAAATGTATCTAAAATAATCCA GAGAACATAATGTTTGT CTTGGTCTGATAATGATAAGAAGTCAAGGATTGGCAGAGAAAATACTAAACGCCAAGAGTTG **AGCCTGTGGGTCTCTCCA** TAAGAGTTTTAAAACTCTTGCCAGTTACCACTTTATCCAATTTGCTATCATTTTCGTATTATCA **GCTATCGCCCTGTAAA** ATATTCAAAACTAGCTATTTCTAAAGTAAACATTTTATCTGTTACTTTTAACCAGATAGGTGTC TTTGTCATCCTTCTAC TATAAATTGTTCTTTGCCAACCTGT >MPM2000-002P8_breast_Table1_473 GCTGGTTTGGGGCACAAGGAAGCCTTAGGGTATGGGGAAAGGCTGTTATTACCTAGAGTTT ACTCCCAGGCCAGGGGGCT GCCATCTTCTCACAGACATCCCTGAAAGGAAGCCCCTTTGGGGCCAGGGAGGTGAGGACTT CATCTCAACATCGGCTGGT GGTTGGTAGGGGAGCTTTTTCTTTCTTTCCTTTTTTTTGTTTTTGTTTTTGTTTTTGG TAACATGTTAGGAGT CAATGTTGCAAAGAGTAGTTTACATCTTCACTTTCTGAAGACACTTGAATTTAGGACCGATGT **ATCTGTGACAAGCATGC** CAGAAGTGGCAGGGCCATCAGGGCTAACCACTTCACACCTACCATCGTCCCATGGGGATC CAAGACCTGAGATAAAGCA ACAGCCTGCCCAGATCCCTCTGTTCATCCTATCCCTTCCAAGGTTGGTCCATGCCAACATAA **CCTCTGGGCATCAGACAT** CAGCAGGTCTGTGTGCCTCAGCCCTGTTAAGGGGCAGGTTTCTCTTTAGCCCTCTTCCTGCA **CTTGGGAGC** >MPM2000-002P8_breast_Table1_474 ACATTATTTTCAAATATACAAGGATCATTTACCAAGATAAACCATAATTTTGGGCCATAAAACA TTTAGGATTGAAAATA CAGAGCAAATTCTCTAACCACAATAAATTTAAAAAATCGATAGCCAAAAGATAACTGAAAACT **CCCCCAAATGTTTGAAA** ATTAACACATTTCTAGAAAAGTCATAGATCAAAATTAAATTACAAGGGAAATCTGACACTATTT TGAACTACGCGTTCAT **AATTACTAATATAAACTT** CAGAAATCAATGCGATA GAAAATAAGCAAATAGAGAAAATTAGTAAAACCAAAAGTTGCTCCTTTAAATGATCAATAAAAA TTACAAACCCCTAACT AAAGCAATGAACAAAAGAGAAGATATAAATTAAC >MPM2000-002P8_breast_Table1_475 GCTGGTTTGGGGCACAAGGAAGCCTTAGGGTATGGGGAAAGGCTGTTATTACCTAGAGTTT ACTCCCAGGCCAGGGGGCT GCCATCTTCTCACAGACATCCCTGAAAGGAAGCCCCTTTGGGGCAGGAGGTGAGGACTT CATCTCAACATCGGCTGGT CAACATGTTAGGAGT CAATGTTGCAAAGAGTAGTTTACATCTTCACTTTCTGAAGACACTTGAATTTAGGACCGATGT **ATCTGTGACAAGCATGC** CAGAAGTGGCAGGGCCATCAGGGCTAACCACTTCACACCTACCATCGTCCCATGGGGATC CAAGACCTGAGATAAAGCA ACAGCCTGCCCAGATCCCTCTGTTCATCCTATCCCTTCCAAGGTTGGTCCATGCCAACATAA **CCTCTGGGCATCAGACAT**

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CAGCAGGTCTGTGTGCCTCAGCCCTGTTAAGGGGCAGG

Table 5

>MPM2000-002P8_breast_Table1_476 ACTGTTCTATACTATTCAGGTATCTTTTTATTTCTGATAGTGTTATATTATAATAGAAAGCCAG **CCACTGCTTAGCTATC** ATAGTCACCATTTTCTCACTGTTAACATTAGGAAAATCAAGGCTACTATGCTTCAGGATTGTC **TGGTTAAATAGTATGGG** AAAAAAACTGAAGAGTTTCACATAATTACACACGTGAAATAATTAAAGCTTAAACTGAATTTGT **ATTTCATTTTATTGTC** AGATGGTGGTGTTCACCAGCCTGTATCTTGTCTGAGACTGCATTCGTATCTGAGCAGGTTTT **CTATGCCTACTGATGTCA** GTATGTTTATACTAACCTTCATGCTTTTTTCCCAGAATCCCTCATCTGCCAGAAAACTTGAAAA **GTTTATTGCTTGTAGA GTTGT** >MPM2000-002P8_breast_Table1_477 ACTCAGCAACAACTTAAGTGTTTTATCCTTACGGTCAGCTTTGGTTAAAACAGTAACATAACA **AAATTAATAGAATCATG** TAAAAAATGCATAGGGT TGAGCACCCGTATTATTGAGGGTGGATAATTTAAATGTATAGAAGAAATCAGTTCAGAGTTTA **ATGATTGAATAACATTC** TCTTTAGCAACTATGAGTGTGAAATTTTGGTTAATGATACCGAAAATATTAGGTTATAGGAAG TTACAGTATTACATAAG GTGAGCAAAATAATCTAATCCAATTAATATAACGCCATCTGGGGGGCTTGCCAGACAGTCACA **GTGGCAAACTGCTGAAAT** ATGAAAGGCTGCATCATATGTGATACATATTCCCACT >MPM2000-002P8_breast_Table1_478 ACATTCCAGGCAAAAACAGGGATCTCAAGGGGGGCAAGAAGAACATTCTGGATAGCAAGCC CACTGCAAACAAGAAGTGC GACCTGATCAGCATCCCCAAGAAAACCACAGACACGGCCAGTGTGCAAAATGAAGCCAAGT **TGGATGAGATTTTAAAAGA** GATCAAATCTATAAAAGACACAATCTGCAATCAAGATGAGCGTATTTCCAAGTTAGAACAGCA GATGGCAAAGATAGCAG CCTGAAGGTCCCACCCCCACCCCTACAGAAAAATGGGAGCAAGAACTTGTGCTTGGGAGC TGGTTATTGGTGTGGTCCT AGGGAGGCGGAAAGGGAGCACTGCCATTTGGAGACATTCCATTTCAGATTTGTCAACCA **GCGATAGGCCACATTCCAG** TAAGAACTCAATTTGTCTCCCAAATTTGCAGAAACAAACGTGATTTAAAAGCTGAGCTTTTTA TCAGAAAGCTTTTTTG ATGTTTTAAGTGTTATGTGACTTGTTGAACTTTTTAAAAAGTGCTACTTTTAAAATCCCAGATA **CTCTGAATTTTAGAAA** ACAAACTAATTCTGATTGTGTCGAGCCCAAGT >MPM2000-002P8_breast_Table1_479 ACCAGAAACCCACCTCACCCGGCTCACATCTAAAGGGGCGGGGCCGTGGTCTGGTTCTGA CTTTGTGTTTTTTGTGCCCT CCTGGGGACCAGAATCTCCTTTCGGAATGAATGTTCATGGAAGAGGCTCCTCTGAGGGCAA **GAGACCTGTTTTAGTGCTG** CATTCGACATGGAAAAGTCCTTTTAACCTGTGCTTGCATGCTCCTTTCCTTCTCCTCCTCACA **ATCCATCTCTTTTTAAG** CATGATGCAAATGTTTT TCATTTTGTGAAGACCCTCCAGACTCTGGGAGAGGCTGGTGTGGGC >MPM2000-002P8_breast_Table1 480 ACAGGTTGAACATTCCGTTCCAACAATCCAAAACCCCAAATGCTCCAAAATCTTAAACTTTGA

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GAAGTGGAAAATTTTACACCTGACCTCATTTGACAGGTGGCAGTTACAGTGCAATCAAAACTT

GTTCCAGCATTCCGTCA

TGTTCCATGCCCAAGAT

TATTAAAAATATTGGATAAAATTACCTTCAAGCTATGTTGTATAAGGTGTATATAAAACAAATG **AATTTTGTGTTTTAGAC** TTGGGTCTACTCCCAAGATACCTCATTATATATATATACAAAAATCCCCAAATCCAAAAACATTTG **AAACACTTCTGGTCCC** ACACATTTTGGATAAGGGATATTTGACCTATATCTAATTATATAAGAAAAAATGTATTTTCTT TTTTTTTTTGA GATGGAGTTTCACTCTTGTTGTCGCCCAGGCTGCAATGGCACAATCTTGGCTTACTACAACC TCCGCCTCCCTAGTTCAA GGGATTCTCCTGCCTCAGCCTCCCAGGTAGCTGGGATTACAGGCATGTGCCACCATGCCTG **GCTAATTTTGTATTTTTAG** TAGAGACGGGGTTTCGCCATGTTGGTCAGACTGGTCTTGAACTCCTGACC >MPM2000-002P8_breast_Table1_481 GATGAGATTGATGCTGCCT TGGATAACACCAACATTGGCAAGGTGGCAAATTACATCAAGGAGCAGTCGACTTGCAACTTC CAGGCCATCGTCATCTCT CTCAAGGAGGAGTTCTACACCAAGGCCGAGAGCCTCATTGGAGTCTATCCTGAGCAAGGGG **ACTGTGTGATCAGCAAAGT** CCTGACCTTCGACCTCACCAAATTTCCTGTTAATCGAAATTTAACCCGAAAGGCTGGATACCT **TAATGCTAGGAATAAAA** CAGGCTTGGTGTCATCTACCTGGGACAGACAGTTTTACTTCACGCAGGGTGGAAATTTAATG AGTCAGGCCCGTGGGGAT GTAGCAGGAGGCCTGGCCATGGACATAGACAACTGTTCAGTGATGGCTGTGGACTGTGAAG **ACAGACGATATTGTTTTCA** GATCACCTCTTTCGATGGAAAAAAATCTTCAATTTTGCAAGCAGAGAGTAAAAAAGATCATGA **AGAGTGGATCTGT** >MPM2000-002P8_breast_Table1_482 ACAGAAGAGAGATGACGCCTCCGGCTGGGGAGGGGGGCTGGCGCCTCTGAGAGAGCC CATTTATTATCAGGGTCACGG CCAAGACCGTGGGCTTGGTTTCTAGGTAGGTGGACTTTGAGGGGGCAAAGACAACCCACTTT TCCTGCCCCCTACCCCCGG CTCTTAGAGACCATTTAAATCCATATCCAAAGTATATCCAGAGCCACCTGGGACCATCAGGC **CTCTGGCTAGTCTTTCTG** CCGCCCCACCTGTAGCACAA GAGCTGGCCCAGGAGGAGGCTGAAGATGTGTTTCTAGTTCCTGCATGCTGCTTTGTTGTGT GACCTCGGACATGTCACCT **CTGGGGGGCTCTGATGCCA** AAATGCAGGTAGAAGACACACTGTGAGAGGCAAACGTCTTCACTCATCCTGCAGGGAAAGG CCAAGTGAGCATCTGGGAC CCATTCGAGCTGAATGACCCCCACCCCTTCATCTGTGTCTAT >MPM2000-002P8_breast_Table1_483 ACGCAAGCCTCTTCTCCCTTGATGTGGTAGCTACAGGCAGTTACATTCCTTTGCTGCTTG **TGAGAAGCTTACATTTTG** GCATTTTCTTCCAAAAATTACCACGTTGACCAAAGTAAACATTACAAGAATATGAACTTGTTAT **TGGGGGAAAGGGGAAG** TGAAGCAATCTGTAGAAAATATTTAACTGAAATTACAAACATAAGGACAAGCCTTTAAAGCAA **ATTATACAGGCATTTTT** GTCCTCTCTGGTCCCTGCAGTTAATTAACAGGGCCACAGATAATCTGACATCTTTAGATAA AACAACTACACACCTAT ATTACTTAAGTTAAAGCCAGTAAGTTCAAAAAAAGCAATTACAACCATTTGACATGTTTGTATT TTTCATCTCTAACTCC TGATTTCCTAAATTACATTCAGTCATACAAACATGGCTGAACAACAGCAAATGGGATCTGACT CTGGGATGTTTACTTCT

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Table 5

TGGGATTAAAATTCCCAAACACTTTGGTGTCTCTTTCTTGTGAATCTATACAACATTTCCAATA
AATGTTTAATAATGAT

TTTTTAAAAGATATTGCCAAAAATGGCTCAGATTTAAGATGAAATAAAAACATAGCANACAAGCTATGGAAAAGTAGCCT

ACATTTT

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GGCCTGTTCACTTTCTCTTACTCACTGTCTATTCACTTGTCCTGTTCACTCGTCTGGAAGATC
TCAGCCAGCACCATGAC

GGGCTGTGTTCCCCTCCATGATAGGGCGTCCTCGACACCAGGGCGTTATGGTAGGCATGG GCCAGAAGGACTGCTACGTG

GGAGATGAGGCTCAGAGCAAGAGGGCGTCCTGACCCTGAAGTATCCTATCGAGCATGGAGTGGTCACCAACTGGGACGA

TATGGAAAAGATCTGGT

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GGACAAGAAACACGTATGGCTAGGAGAAACTATCAATGCTGGCAGCCAGTTTGAATATAATG TGGAAGGAGTGACTTACA

AGGAAATGGCTACCCAACTTGCCTTCATGCGCCTGCTGGCCAACTATGCCTCTCAGAACATC ACCTACCACTGCAAGAAC

AGCATTGCATACATGGATGAGGAGACTGGCAACCTGAAAAAGGCTGTCATTCTACAGGGCTCTAATGATGTTGAACTTGT

TGCTGAGGGCAACAGCAGGTTCACTTACACTGTTCTTGTAGATGGCTGCTCTAAAAAGACAA ATGAATGGGGAAAGACAA

TCATTGAATACAAAACAAATAAGCCATCACGCCTGCCCTTACTTGATATTGCACCTTTGGACA TCGGGGGTGCTGACCAG

GAATTC

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TCCTTGTAACTGGGCTCTGGTTTAAGGGATCTT

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GAGACAGCAGCTCGGATTCAACTACCTTAGATAATATTTCTGAAAACCTACCAGCCGGAGGGTAGGGCGCAAAGATGGA

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GTACCTG

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ACCAAGCAAGAAGCTGGGGGGCTCCATGTTCACTGCCAACCCATGGATCTGTATATCAGGA GAATTGGGTGAGACGCAGA

TCATGCAGATTCCCAGGAATGTGCTAGAGATGACCTTCGAGTGCCAGAACTTGGGGAAGCTTACTACTGTCCAGATTGGC

CATGATAACTCTGGGCTGTATGCCAAATGGCTGGTGGAGTATGTGATGGTCAGGAATGAGAT CACAGGACATACCTACAA

GTTCCCGTGTGGCCGGTGGTTAGGGAAGGCCATGGATGATGGAAGCCTGGAGCGGATCCT AGTTGGGGAGCTGCTCACAT

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CCCAGCCTGAGGTGGATGAGAGGCCATGCCGGACCCCGCCGCTGCAGCAGTCCCCCAGTG TCATCCGGAGGCTTTGTACC ATTTCACCCAACAACAAGCCCAAGCTGAACAC >MPM2000-002P8_breast_Table1_489 ACAAGGTAGTGGAATTATTTCTTATATTGCTTTTTCCAAAAAGTAAAAACCAAAAATGTGGGC CGGGTGTGGTGGCTCAT GCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGGCGAATCACAAGGCCAGGAGTTCAAG ACCAGCCTGGCCAACACAG TGAAACCCCGCCTTTACTAAAAATACAAAATTAGCCAGATGTGGTGGCGCACACCTGTAATC CCAGCTACTCAGGAAGCT GAGGCAGGAAAATCGCTTGAACCTGGGAGGTGGAAGTTGCAGTGAGCCGAGATCGCACCA CTGCACTCCAGCCTGGGTGA CAAGAGCGAAACTCCATCTTAAAAAAAAAAAAAAACCCAAGTGGAACACTAAAAATTCCCTATA **GATATATTTCAGGAAAT** ATTITAATTGGGGCTGATTTTAATT >MPM2000-002P8_breast_Table1_490 **AGAACTGAGGCAGAGGTC** AAGCAAACCTGCCCTGGGCCACAGAGCACCAGATGAAGGGCCTAGACCTGGATCCAGAAG CTAGGGCTCTCGGTCCAGCA TTCATCCACTGGTGGACATGACATGGGCTTATTTTTACCAGCGAAGGTTACGTGAAGGACAA AACGCACTCAGCCAGCAA CGGAAACTCAACAGTTCAAACAGCACTGGGGAACATGTCAGTTAAAGAGACGCAAACGCTGA **CCAGCTCATGAATGAGGCA** AGACAACATGCGGCTGAGGAAGTGTGGAATCATCACGACTGGGGATTAGACCAAGAACGGG CGCTCAGAGGGTTCAGGAA **AATGTAAACAAACTAGGAACC** >MPM2000-002P8_breast_Table1_491 **ACTAGTAACATGGTGTGTATGATACACTAAAAAGTAAATGGACAAGAAGTAAAATGCCAGTGA GATTATGCTGGGTCAGA** TCCAAAGCCAGCACGGCACCGGGTTTCTTGCCTAAGGTCCATGGTGACCACTCCTTGGCTA TTGCCAATGTTCACTCAAG **ATGACGAGCTCCCCTAA** GCCCAAGACAAGTCCTAAAATGTCATCTGGGAGCCAGGACCTGGAATCAGGATCCTTAGGA **ATTTACTTGGTGCTGTATT** CTACTATGGCTGAGCTGGCAATCAAAGTGCAAGATTAAGCCCTTTATTTTCTTTGGTCTCCTT **TCCTCAAGCAGAT** >MPM2000-002P8_breast_Table1_492 GCGGGCTAAACGCGGTGTGGGACTTGTGGGCCAAGCAGGAGGGAAAGCCTGTCTGGAAGT **TACGTGTGGACATGGGGGCC** AGGACGCTGGTATCCTGCATAGATTTCAGGT >MPM2000-002P8_breast_Table1_493 TTTGTGGGGTGCAGTGAATGAAACTAAAGAGTTGTTGCACCTGAAAAAGACACCAGTGATTG **GGTATTGGGTAGTCGATT** GGAGACTTTGATTTTTTTTTTTTTCACATGGGAAAGTCTTAGATTCCAGTAGATGGAATTGCA **ATCCTTTGCAGTTTGT** TCTCATTACAGATAATCAACATTTCTTTTGTATAATTCAATACATGATCAAGTTAATTGGTAAAT TTTTATTGAAATTTA AAACTTGCATTTTTATATATGTGTATGTGT >MPM2000-002P8_breast_Table1_494 ACAACTTGAATGATATTTTGACCACATCCATGCAGGGTGCTAACACTGTGACATCGGGGACT **GATATCAGGTCAGCTCTC** TGCCTGACTCATTATGCATCACTATATCTCATCAATATGAATCATATTGATACTGAAGGCGCT GAAACAAATGAAGCAGG

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Table 5

CGTTTATATATTAACTGTGTGTGGAGTGCGTATAGAACATGGGCTCACATTCACTAATATTAT **GTGTATGCATACACATG** CACAAAACCTTTTGGGGGTGAAAGCACAAGAAAAACACGGCATCCTGATCTAGTACATAAAA GAGAATGCAGAAATATTT GAAAAAGGAAAGACCTGGAGTTTAAAGCCATAAAAGCAAGTTATTATTCAAATAGTCTGGAAA **ATCAAGGTTGATTTAAT** TTGTATTGCACCTTAATTATTGGAGAAAGACAATACTGACTTCTGAACACAGAATGAAATGAG >MPM2000-002P8_breast_Table1_495 ACTTTACCCTTCAACGGGACAAGAAACTGCACCAGAAGTCAACTTCACATTTGAAGGAAAAA **CGGGAAAGGGTCCAGATG** AAGAAGACACACATTTTATCAAAGACTTAAGTCCATGAAGGAACCGTCTGAAGCACAAAATA TTCCAGACAATTTTGGA AATGTATCTCCAGAAATGACGCTCGTTCTACATTTAGCCTGGGTTGCCTGTGGTTATATAATA **TGGCAAAATTCTACTGA TATTGAATTAGACTACA** CCATTCTACTTCATAATATAGCATCTCAGGAGAATATTCCCTGGCAAATGCAAGTTCTTTGGC CTCCACAATACGGCACT **AAAGTAAAACATAATACCCGTCTGCCAAAGGAAGTACTTG** >MPM2000-002P8_breast_Table1_496 ACTGTTCTACCAACAGCTCTGATTTGGTGAGTGCATTTTCTACGCCACTGCTCACGAGCTGC **ATCATCCGACTCCCCAAG** ACTGTGTTAATGCTGCCACTGACCACAGACTTGGTCTTCTCCACACTGCCAGTCACTGCCCC TTTGGTCTTGTCCATCAC CCCTGTGATCGTGCCACAGAATCCTTGGCCCCAGTCACAGTAGTCGTCACAGCATCT TTTGCCCCAGTCACAGCGC CTTTGGCATTGGCAACAATCTGAGTTGATGGCTGATTCAGAATAGGCAGTCTCTCCTCAATC **CTGTCTTAGCCCCTTACA** GGCATAGGTATTGGCAACTGCAATTTGCGGCTCTAGCTTCTGGATGATGGGCAGAGCACTG **GTCATGGCCACGGAGGTGA** TGGTCTTCACACCGTTCTCTGCCATCTTACACACAGACTTCAAGTAGGGATACTGGTCCTTT GTACCTG >MPM2000-002P8 breast Table1 497 ACTITICTACCITAAAAAAATCAGTGAGGATATITATTTAATGAACATCAATTCCTTTTAAATTT **TCTTAGAGAAATTGC** TCTGTGGCTCAGTTTTACCACCCATAAAGCGGAGACAGTAATTTATGGTTATCCTTTCTGACC CACAAAGTATGAAAAGT TCTGTAATTTGTAAACTCAGTTCTGTAATCTGTATTATTGAGATGATTAATATAAAGTTGTATTT TCACTGAAATGATTG TTTTGCTGGTTATGCTGGTGATATTTTAGCGGGCTTATTTTTGAAAGGCATCTGTTACTTCA **GTGGCATAAAGTGCCCT** CACACTGCTGTGCATGCCTTACCACCATTCATCTTCAGAATTTGTTCTTAGTCCCAAACTGAA

ACTATACCATTTAAACA.

GAGAGGCCTTCCTTGTC CCAGCCTACACAGAACAGAGCCAAATCAAAGGCTAGCTGGAGATGGCCAAAGCCCGGAACC **AACTGGATGCTGTCTTGCA** GTGTCTGCTGGAGAAGAGTCACATGGACAGGGAGCGTCTGGATGAGGAAGCTGGGAAAAC ACCCTCAGACACCCACAATA AGGACTGCTCCATCGCAGCCACTGGCAAAAGGCCATCTGCCCGCTTCCCCCACCAGCGGA GGAAGAAGAGGAGGGAGATG GATGATGGGCTGGCTGAGGGAGGGCCGCAGCGATCCAACACATATGTGATCAAGCTGTTCG ACCGGAGCGTGGACTTGGC CCAGTTCAGCGAGAACACGCCACTGT >MPM2000-002P8_breast_Table1_500 ACAGAGCTCAGACCCGGGGAGACCCTCAGCGTCAACTTCCTCCTGCGAATGGACCGCGCC CACGAGGCCGAGATCCGCTA CTACACCTACCTGATCATGAACAAGGGCAGGCTGTTGAAGGCCGGACGCCAGGTGCGAGA GCCCGGCCAGGACCTGGTGG CGGGCGGCCGAGGTACTTA CTACCACTGCTGCATGAGTATAATGCTCCGGAATTATCAGAAAGCATAATGCACAAATACGA **ATTAGTGGAACTTAATCA** TGTGCCATATAAGCTTACCTAACAAACAGTTATATCCCTATTCCTCAACTGAATGTCTTTCAAT **AAATAAGAATTTATCA** TTTATTTTCTGCAACTTTTTTATGTCTCATTCTTTAAACATTAAAAACCCTTAATATTTTAACAAA **AATTTCTTGATTAG AGGCACAGTGAAAAAGAAGTC** >MPM2000-002P8_breast_Table1_501 ACGTGTGGCTTGGTCACTTCGTGGCTAAGGTAAGAACGTGCTTGTGGAAGACAAGTCTGTG **GGTTGGTGAGTCTGTGTGG** CCAGCAGCCTCTGATCTGTGCAGGGTATTAACGTGTCAGGGCTGAGTGTTCTGGGATTTCTC **TAGAGGCTGGCAAGAACC** AATTGTTTTGTCTTGCGGGTCTGTCAGGGTTGGAAAGTCCAAGCCGTAGGACCCAGTTTCCT TTCTTAGCTGATGTCTTT GGCCAGAACACCGTGGGCTGTTACTTGTTTTGAGTTGGAAG >MPM2000-002P8_breast_Table1_502 ACATGAACATACACACACACACACACACACACACACACAGAGGCCAATTTCCAGTGAGGA **ACAGGCTCCACAGAAGAA** GCTGATAGGCAGGGGGGATCAAACGCTGCTCCCCTGCTCACCGATCTACTTCTCCAAATAC **AATATCTTGGGTACTTACA** ACTATAAAAAGATACAATAACTCTACCAATTATAAATAATGTAGCATTTCATATTAAAGACATTA TCGT >MPM2000-002P8_breast_Table1_503 ACTGTTCCTCACGGCAGTCAAGAGGCCCAGGCTCTGTGGGCTCCAGCTCTGCATTTCCTGG TTCTGGGGTTGGGGCTGGG ATGACTTCCTGTTGGACTTGCTGCTGGGACTGGAACTGTTCCTCGGAGGGCCGAG GAGTCACCTCTGCAGCCAG GGGAGGATAAGGGGGTCTGCTCCCTCTACCCCTCCCAGGGGGGTCTCCCCACCCCAGCTGC CGGCCGTCCTATCCTACCC CTAGCCCGTTACCTTGATAATCATAGTAGTCTGGGTTGTCGATCTGGTCGCTATAGTGGGTG >MPM2000-002P8_breast_Table1_504 ACATTCAGAATCCCACGAGCAATTCAGATAGACCAGTCACCAGGCCTCTAGCTAAAAGAGCA **CTGAAATACACAGAGGAA** AAAGAGACGGAGGGTTCTAAGCCAACAAAAACTCCTACCACTACACCACCTGAAACTCAGCA **GTCACCTCATCTTAGCCT** GAAGGATATCACCAATGTCTCCTTGTATCCTGTTGTGAAAATCAGAAGACTTTCTCTTTCTCC AAAAAAGAATAAAGCAA

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Table 5

AGAGGGGACCTTTTACAGATTTGGGTTTTTTGAATTCTCCTATTTTCAAGCAGAAAAAGGAT TTGAGACGTTCTAAAAA

AAGGTTGAAACAATACAATGAAGGTGTCGCTGGATATTGTTTAAATTCAATCTACACC >MPM2000-002P8_breast_Table1_505

ACATGTATTTGTCACTTAAAGGTTCTTTCTGTAAACTGCTTCAGATGCTTTTACTATTCAATTTT
TAATGCTTAATATCT

GTAAAGAACGTTAATATTCCTCTCTATAATCAATCTTTCCCAGTGTAGCCATAAAAATGTATTCCTACTTTTGCTTCAG

GAGATCATTATTTGCAAATGCAAAGATTTTTTACTTAGACTTTTGAAATCACTCTTAGTAACTT
TAACATTGCTTTTAGG

TATGAAATTGAAGGCTGTGAAGTGATTTGGGCCATTAAAGATAAAGCTATAGGGAATACTTTC >MPM2000-002P8_breast_Table1_506

ACAGAGAAGGCACTGAATAAATTCACAAAGGCCGATTGGTTCACCCATTCTTTTAGAGACAA CAGACACGCAATTCTGAC

GAGGACTCCTGTTACTAAAAGACACAGCCTCTGATACAAGAGAGATATCCCTNTGACTAAAGCATTACCAGGGTCCCCAG

GGCCCCTCCACTGGGGCGGTAACACTACGGGTCTCCCCACCATATATTCCATGTCAAAG TATCTACACAAATACAGAG

GAAATTAAGCAAGTAAATACGGTATGTAATTGTTATCATTTGTATTTCTTTAAGGCATATTTAT
AAATATTTTAAAGTAA

ACAATATGAGTGAGTGCCTTTCATTAGCTATGATCTTTCATACTGATATATTTTGACTGATCTG
AATAAGCAGGTTACTG

TGGAAGCATATAACATAAAACAGCTAATATGATTCCAGTGGGTACC

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ACATAACATTTCAAATATAAGTGGAAGGATCATCAGTAGTGTTATCAAAATGCATAGGACAGA GACTTTTTAAGAAAGGA

TAAAAAATTACACTCAGGACCCATAACTCTTCCTCATTATAAGCATATGTAGTGATTCATCAT GCAGGTTTTTATATGT

AGATAGGATTTTTTTTCCTTTTCAAGAATTCCATTGTAGCCATGAGATGAAAAATGTATTATG GTAATGGTATAGCTTT

CTTCTATTTTGCTTTTAGTGTTAGGTTTGCTAAAAGCTTATTTAAAATTCCC

>MPM2000-002P8_breast_Table1_508

GCCTCCAGCCGTGTGCCGCTATGGGAGTCCCGGCGTTCTTCCGCTGGCTCAGCCGCAAGT ACCCGGCCATCATAGTCAAC

TGCGTGGAAGAAGAAGAATGCAATGGTGTAAAGATTCCAGTTGATGCCAGTAAACC TAATCCAAATGATGTGGA

AAGATGAAATGATGGTTGCAATTTTTGAGTACATTGACAGACTTTTCAGTATTGTAAGACCAA GAAGACTTCTCTACATG

GCAATAGATGGAGTGGCACCACGTGCTAAAATGAACCAGCAGCGTTCAAGGAGGTTCAGGGCATCAAAAGAAGGAATGGA

ATTTGACAGCAAC

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AAGACTTCAAGTGGTTCTT

GGAGACTGTGTATCCAGAACTGCATGTGCCTGAGGACAGGCCTGGTTTCTTCGGGATGCTCCAGAACAAAGGACTAACAG

ACTACTGCTTTGACTATAACCCTCCCGATGAAAACCAGATTGTGGGACACCAGGTCATTCTG TACCTCGGCCGCCCGGGC

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AGAGAATCCATTTTTTTGTAAATTACCAACCAGGAATTTATCTGTTTTGGGGCTTCTTCATCTA
TCTAAAGGGTATATTG
AGGGACCAGAATTATAGTCATCCTATAGGGAAAAAATTGCATCCAAATTCAAAGTTTAATGAG
TAAATCATGA
>MPM2000-002P8 breast_Table1_510

ACCTAACCTTCAAGACTGGGATAACTATTGGAAACAATAGCTAATACCGGATATAGTTA

ACGATGATGTTTAGCCGGGCCGAGAGGCTGT

>MPM2000-002P8_breast_Table1_511

CACTGCTAGCAATTAATCATATATATAGAAACAGCAGCTATACAGCTGACATTACCATTTAAT GTTATATGATGAAAGCA

AGTCATCTGCATGTGCATCAAGGCCAGTCCTATACAACCTAGCTGTCGAATGCTGATATCTG GATAGCATGTCATTCTGA

AGCTGGCACATAACTTATCTAAAAAAAAGCAGTCTTTGTTGTATGCTTCTTTCCTACAGATGACTTCTAAAAATATATGA

CGGGTATAAAAAATTAGCTATACTTGATCATATCAACACTGTAACTGCTGAAATGGCATTGT AATGTTTGCTTTTATT

CTGACAGGCCACATGATGCATAGAGCCTCTTTCATGTGACTTGAGTCTACTGCTGAAATCTTT ATGCTGCGTTGATGATA

TTATATTGACATACGAAGCTGTATAT

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ACAGGTTCAAATGAAATTCAGGTTGTTGCAGGAGACCATGTACATCTTGCAGTATGGGCCGGCGGCGAGTTATGTTAATATGC

AAGGTTAAGCAGAAAAAAGCGGAGCCGTAGGGAAACCGAGTCTGAATAGGGCGACTTTAGT ATATTGGCATATACCCCCC

CCCCCCCTT

>MPM2000-002P8_breast_Table1_513

GCTAGCACCATCTGCTAGACTTGAAAAATCTACTATGATATCAATTATTTTAGACTTCTTGTTT GCAGTTCATTATTATT

TTAAATATGGAATTATTTTATATGAAAAATAGTTGTCCCACAGGTTATTTTATCTTTAATAGTT ATATATGAGAGGAAG

GGTCAACAAAACAATATAGATAACACTGGAGTCTCGCTGTAGTATACTCATTTGGTTCTGTTA
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TAGAATGT

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ACTCCTTTTTTAAĀAACACTGTAĀAAGTAACCACACATATGTGAGGĀCTTACTATTTTAAATGG AATGGAATGAGCTCCA

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CCTCAGCAAAAATTACAGTGGTTGATGCCTTACATGAAGTACCAGTGAACAAAGGGGAAGGT GCCGAGCTATAAACCTCC

AGAATATTATTAGTCTGCATGGTTAAAAGTAGTCATGGATAACTACATTTCCTGTGGTTGCCT AATAAGTTTCTTTAAT

CCAATCCACTAACACTTTAGTTATATTCACTGCTTTTACACAGAGAAATACAAAATATCGAGCA CACAT

>MPM2000-002P8_breast_Table1_516

ACCAGTGGAGGAAGGCCTTCCGGCGGAACATGGCAGTGAACTGCTCCGAGATGCGCTTGA AGAGCTCCTGGATGGCTGTG

CTATTGCCAATGAAGGTGACTGCCATCTTGAGGCCACGAGGTGGGATGTCACAGACTCGGTCCTTGTCGCCTGGAAGGCC

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CCGCGCCGGGAGCGGTCGACCTCGGCCGAGGTACCCACCACCACTGTATGATGCTCATGA **GCTCTGGCATGCCATGAAGG** GAGTAGGCACTGATGAGAATTGCCTCATTGAAATACTAGCTTCAAGAACAAATGGAGAAATTT **TCCAGATGCGAGAAGCC TACTGCTTGCAATACAGCAATAAC** >MPM2000-002P8_breast_Table1_517 ACAGCACTGGGCTTTATAAAGACTGCACTCAGAACCACACTGCACAGTCCAGTTTTTTAAAAA **GCTGCTACATGACAGAC** AGGTAATCCCACTGAGTGAGTTTTGAGAAACAAATCAAACGAAGTAAACAAGAAACATAAAAA CCAAATAGCAAATGAAT AAAAAAACAAAATAAA AA >MPM2000-002P8_breast_Table1_518 -ACCATCTGAATACCTCTTTGAAAGAAGGAAGACTTTACGTAGTGTAGATTTGTTTTGTGTTGT TTGAAAATATTATCTTT GTAATTATTTTAATATGTAAGGAATGCTTGGAATATCTGCTATATGTCAACTTTATGCAGCTT CCTTTTGAGGGACAAA TTTAAAACAACCACCCCCATCACAAACTTAAAGGATTGCAAGGGCCAGATCTGTTAAGTG **GTTTCATAGGAGACACAT** CCAGCAATTGTGTGGTCAGTGGCTCTTTTACCCAATAAGATACATCACAGTCACATGCTTGAT **GGTTTATGTTGACCTAA** GATTTATTTTGTTAAAATCTCTCTCTGTTGTGTTCGTTCTTGGTCTGTTTTGGTTTGTTTTTAA AGTCTTGCTGTGGTC TCTTTGTGGCAGAAGTGTTTCATGCATGCAGCAGGCCTGTTGCTTTTTATGGCGA >MPM2000-002P8_breast_Table1_519 ACACTGTGAAATTAACTGGCATCCTGGTGGGCCCAAGGGTTTTCAGGACTGGGGGCCAATG ACTCACCCCCTCCTTCCTC CTCCTGATCCCTATCTCTAGCTCTTATCACAGATTTTGAACAATTGTCTGTGAGGTTAATGAT **GGTTTCAGAGGGAAGCC** CTTTTCCTCCCTGAGACTGTGTGGGGTTCAGTCAGCCTGCTGAAATTGCTTCCACTTATTAC CCATCCTTCCTCTTAAAA AAAAAAAAGCCCACCAAGTTAGTATTCTCTGTAGCTCTCAGACAGCTACAAGTGTTCCTGG CATATTTACCAAAGT >MPM2000-002P8_breast_Table1_520 ACTGGTTTTAGTGTGAATTTACATAGAATAAATTTACTTCACTTTCATGTCATCGACATGAATG **ACACAAAAGCTACTTC** ATAATACTACTTTACAATAGTTTTCAACATTTCCATATGGTGCGACCCCTTTGCTCTCATCAAT TTTGGGTGTCATGAGA ACAATAGGTATCCCGTTGGACATGATGTATTGCGAAGAGCATATAAAGCAGAGGGAAAATGA AAAAGCAAGAGAAACTCA TTTCAATGCTTTTTCTAAAAGGTAACAAATATAATTTTAATCAACTTCCTTGGAAAATATTTTTA **AAACAGGTATCAATA** GAAAAAATTACAAAACATCATATGAAGCTATAAATAATTTTGAAAAAC >MPM2000-002P8_breast_Table1_521 TTTTAATTCTTCGNNAACTAAACTCTGGGCTAGACATTAACTTTAAAGATACTATTTCCCCTTA TTTAAAAGGTATATGA TCATAACATGGCACGAGCCAAAGAAAATGTTCAAGGACTTTGCCCCCCTTCCCTGCCCCTTG AACACCTTCTAAAGTTTT **AAAGTCAAATGGAAAATA** ATGACATGCCAAGCGCAAAGCAGTAAAGATCCTTCCCAATGCACTAATGCTGAATTTAAAAA GTAGGGCTTTT >MPM2000-002P8_breast_Table1_522 ACTGTCCTCGGTAACGGGCCGACTTAATGGGTAGATCAACGCGAAATCCTTGGAAATATATA **ACAACAGCAAACACAAAA**

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ACTGTAGCAATGAGGTTTATGAGATTGTGTAAGTTCTGCCGATAAAAAGCCTCCCGTAAAGC TCGGACTTTGTCCGTCCT GGTGGCCAACAAATGGAACAGAGCTATGACTGCACCCTCAAACTCAGT >MPM2000-002P8_breast_Table1_523 ACTACAGGTTGAGTATTCCTAATCTGGTAATCTGAAATTTCACATGCTCCGAAAATCACAAAC TTTTTGAGTGCCAACAT GATGCTCAAAGAAAATGCTCATTGCAGCATTTAAGATTTCAGATTTTTGGGTTAGGAATGTTG **AACTGGTATAATGCAAA** TACTCCAAAATCTGAAGAAATCCAAAGTCTTAAATACTTCTGGTCCCAAGCACTTCAGATAAA **GGATACTCAATTTGTAT** TTTTGTTGATGTTGTAGT GGAAGCTAGGAATGGTTTTTCACATTTTTTAAGTGT >MPM2000-002P8_breast_Table1_524 ACCGGCCATTGGTGCCTTGTGTCAGGTCCCAGAGGGCTGCCTCAATGCCAGCAGCAATGCC CTCCACCACCTCCTCACTC AGTACTGGGTCTGGGAGCTCCCGAAGGCTGTGGAGGCCAGGGCACAGAGTAAAGCTCCTG **GGCTAAGCCAGTGGCCAAGC** CAGAAAACAATGCTGGGCAGAAAAGGGTTACAAGGCAGGTAGTCTGGACACTGGATTCAAC **AGCTTGCCATCAGCCAGGG** AAAGTGAAGCTGAGGATGCATATGGAGCAGGGCCAGGAAGATCAGGAGAGCTGAGGGAGA **ACAGGAAAATTGGGAGGAAG** GAAGAGCAGCTTAGCAGCAAACTCCAGGAGAAATAACCAGCAGCCCTCACAGATTTGTGA TTGTCTCTTAAAAAGAATT **ATTTTCTCTTCTTGCCTGAATGT** >MPM2000-002P8_breast_Table1_525 CCGAGGTACCACCGATAATGCTATTAGCCCAAACCGTGGGTGTTTTCTAAATATTAATAGGG **GGGCTTGATTCAACAAAG** CCACAGACTTAACGTTGAAATTTTCTTCAGGAATTTTCTAGTAACCCAGGTCTAAAGTAGCTA CAGAAAGGGGAATATTA TGTGTGATTATTTTTCTTCTTATGCTATATCCCCAAGTTTTTTCAGACTCATTTAAGTAAAGGC **TAGAGTGAGTAAGGAA** TAGAGCCAAATGAGGTAGGTGTCTGAGCCATGAAGTATAAATACTGAAAGAAGTAACTTTTAT **TCAGGAAATAGGGGGAG ATTCAAGTCCTATAGAATTCCT** >MPM2000-002P8_breast_Table1_526 ACTITITCCACGACAAATTCTTCAGGCTCTGCCTCTTCAACTTTTTTACTCTTTCCATTCTGTT TITTTCCCATTTTTTG CAATGTAGTTTTGTTGGAGGCCATTTTTTATTGCAGACTTGAAGAGCTATTATTCACCGCCTC CGAGCTGCTCCGACCTG CCCGGGCGGCCGAGGTACTTGTGCCTAGTTTTTCAAGGTATTGGCTGTTCTATAGATGCAGT GATTGTCCCAGCTAGCTC TGTTACCAGCCTTTTGGTGTGTCTTTATGTTCATTTGGAGAGTCA >MPM2000-002P8_breast_Table1_527 ACATAAAGACAAACTAGTATGCATGACCTGGGGAAATGGTCAGACCTTGTATTGTGTTTTTG **GCCTTGAAAGTAGCAAGT** GACCAGAATCTGCCATGGCAACAGGCTTTAAAAAAGACCCTTAAAAAGACACTGTCTCAACT **GTGGTGTTAGCACCGGCC** AGCTCTCTGTACTCCCTGGCACCATCTGGTTCATGCCAGGTTTAGAGTTCATCGTGTTTGGC TTCCTGGTCTTTGAGTTT **AATCAGTTTAGCATCAA** AGCCAGGAGCGAGTTTCCCTTTGCCAGATGCCACCTGGGCGTGAATGTACCTGCCCGGCG **GCCGC** >MPM2000-002P8_breast_Table1 528

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Table 5

ACAAACTCTGTCCAGTGCCCTGTTAATTGTTAATGTTGGTAGAAAGCAGATTTGAATGCTTCT TTTAATTAGCTTCATTA GTCATTTCCCACAAACAAACAGTATGTCTGTAGTTAACCTACTACTCTAGTAACCAACACAT **GGAAGCATCATATGCAC** ATAAAAGTTAAAACATTAAAACAAAACTTAAAACTCTCAAAACAGATAATCATGAATTTGTGTTTT **ATAAAATTATATAGAA** TAAAGGCTTTGTGTGTGGGGACTTTCAG >MPM2000-002P8_breast_Table1_529 ACAATTCGCCCCGTGAGTCTAGGAAGATTTGCTGAGCGTCTGCCAACTGGCAGATGAGGAA **CCGAAGTTCAGAGAGTTGA AAGCACTTGCCCCAGGTCA** >MPM2000-002P8_breast_Table1_530 AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTGCGACCGCCACGGAGCAGTGG **GTTCTGGTGGAGATGGTACAA** ACTGGCTTTGGCATGATT TATGATTCCCTGGATTATGCAAAGAAAAATGAACCCAAACATAAGACTTGCAAGACATGGCCT **GTATGAGAAGAAAAAGA** CCTCAAGAAGCAACGAAAGGAACNCAAGAACAGAATGAANNAAAGTNANGGGGGACTNGC NAAAGNCCAATGTTGGNGN TNGCCAAAAAGTGAGCTTGGNNNATTGGATNCNCNAGCCCGAAGGGANTTAAAAGGGGGCN NNNCANNTGNTNTTNGNNT TNGGGGCCCCTTGGTGGNTNTTTTTCNCCAGGGACCNTTTATTTANCTTTAANAACNTTCTA AAAAAAA >MPM2000-002P8_breast_Table1_531 ACCTGACAGTAGTCTAAGATGAGAGAGTTTAGGGACTACTCTGTTTTAGCAAGAGATATTTTG GGGGTCTTTTTGTTTTA ACTATTGTCAGGAGATTGGGCTAAAGAGAAGACGACGAGAGTAAGGAAATAAAGGGAATTG CCTCTGGCTAGAGAGTAGT **GGATCTGAGGGGACCCT GTTTGGAGAGC** >MPM2000-002P8 breast_Table1_532 ACAATTTTTATTAGGCATGTTATTGTTCCGAATGAAAAGAGTGGAGCTTTAAGTTAATATGCC **AAAAAAATATTCCTAGC** ACAAAAGCCTGCACCACTGCTTGAGTCTCCTTTTAAAGATAGAGATCATTTCCAGCTTGGCA CCTTATCTCATACTCTCA **ACATTAAAGCTACTGGGT** >MPM2000-002P8_breast_Table1_533 **TCTCCCAGGAACAAAGGGCCA** AAATATACTCCTTCTTTCAGGGGAAAGGAGAAAGAGGGCCATTAAAATCAGCTCTTACCAGA CATGGGAAGAAAAAGTAT AGCTTGCTGCCCAGGCCCGGTTTGGGACCCAAGTTAATACTGCCCAGTGGGTTTCAGGGCC **ACATACCAACGGGGGTATT** TCCTTGACCGGAAAGTATGGTAGTTATTAGATCCCAATCGTCCAAAAAAGAAACACTCATCC GAACCACATTGAGAAGCC **AGGAATCTGCCATCTTCCTTAATAGCCAG** >MPM2000-002P8_breast_Table1_534 ACAGAGGCCTGAATTCATGTCCACAATGACCTGTGCTTAACTATTCCAAAGGTCGCTAAAGA **TACTGTTACTACTATTGA** GATATTATTGGCTACTTCACGTTTACATAGTAAATGTTTGCAGCATATAACATTACAACTCATA **AACCCATAATTAACTT**

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ATAAGTGTTAATGGACAACTGTGCTTTGATTTTTTGCCTTTAGTGATAAGAAAACAAAGTAGTG

AAATGGGTCACTCCTCA

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> Page 94 (of 176 pages in Table 5)

CTCCCCAGCTGTGATCTCTCAGTGTCTTAAACGGCAGCTTGTCATTTCCTTGGCCAA GTGGGTCTATTTCTGAAA GAGAGATGCTGGCTGGTATGTCTCCCCTGTTTTCATCTTCGCCGTCATCTGAACCCACACCC

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TAAAAGGGGGGGCTTTGTTTAAGACGGGGGGCCCGGGGGAACAAAAACCACACGGTCTCT ATGGAAATGTGGAGAAACT

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Table 5

GAGAGCGAGGTGTGGCAGAAGCAGGCTTGGAGCCTGAGGAGGGTGGCTATCGGCTTTATT **CTCAGGGAGAGATGGCGCTG GCAGAAAACGAGTTTTTTAA** GAAAGGA >MPM2000-002P8_breast_Table1_547 ACATAGACTGGGTCAGAAACAGATATAATACATTATTTTAATATATTGCTTGTTAATAGCT TTAAAAATACTACATT CTATGGTAGATTATTGGTTATAAAAGGTAGAAATGTCATAAGTATTATAATGTCCAGTCTGT **AAAACCTGTCAGTTGA GTGCTTTGAAGGT** >MPM2000-002P8_breast_Table1_548 GCAGCAGGAGCCTGGGAANGAGGCCCTCACCTGGCGAGGGCCTCTTTCCCATCTCCCCTT CAGTTCAGAGCCAAGATGGG TCTAGAATCTGGCACTTTACTCATTTCCTTTGATAAACTGT >MPM2000-002P8_breast_Table1_549 CACAGTTATGGCAAAGTAGACAAAGCATTTGTTCATTTGGAGCTTAGAGTCCAGGAGGAATA CATTAGATAATGACACAA TCAAATATAAATTGCAAGATGTCACAGGTGTGATGAAGGGAGAGTAGGAGAGCCATGAGTA **TGTGTAACAGGAGGACAC** AGCATTATTCTAGTGCTGTACCTGCCCGGGCGGCCGAGGTACCTTACATCAATGGCAAGTTT **AAGAAGGATAATTAATTA** CACAAACCCTTCACAGACTGCTCTGGTGCCTGGTGGTGCTAGCTCCTCCCACCTCAGCACC TGCTGATTTTGGGAGCAGC CC >MPM2000-002P8_breast_Table1_550 CGCGTATACGACTCCTATAGGGCCGATTGGAGCTCCACGCGGTGGCGGCCGCCCGGCAGG NNTATITITITITITITITIT TTTCTTCCCCC TTCCCCCCCCCCCTC CCCCCCGATTTAAAACCCCGCCCCCCGGGGCTAGAAAATTTATGTTAACGGGTTCC CCCCCCCGGCCCCGGGG AAAAAGGCCCTTGCCCGTTCC **GCCCCCCGGGGCCCAAA** GAACGCCCCCCCCCGCGGATGGGGGCCCCCCCC >MPM2000-002P8_breast_Table1_551 ACTTGTTATCAACACGTTTGTATCAGAGTTGCTTTTCTAATCTTGTTAAATTGCTTATTCTAGG TCTGTAATTTATTAAC TGGCTACTGGGAAATTACTTATTTTCTGGATCTATCTGTATTTTCATTTAACTACAATATCATA **CTACCGGCTACATCAA** ATCAGTCCTTTGATTCCATTTGGTGACCATCTGTTTGAGAATATGATCATGTAAATGATTATCT **CCTTTATAGCCTGTAA** CCAGATTAAGGAATACAGCTCTTAAAAAATCAAGAACTTCCTGAGTTTCACATATAAAATGGT GACAAACACCTGCTTCT GATAAAGTTTATCCAATTTTGTATTTATAGTATTCTATTGTAATAATAGAATTCTATTATGTGCT TCCCTCCTTAGACAT **AGTITITICT CCTTTTGT**

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GAATCCATTAAGTAAC

ATTAGCATGTCATGTTAAATAGCTTCATTTAAAAATGTTACAGATCAACAGAAGGGAAATC AAAAACTTATTTTCTC AGTAACTACTTTACATACTAGTGTAATTAAAGGTTTAACTGGAAGAAAAATTCAGCATAAAAGT **ATAATTAAAGTAAAAA** GCTGGTATTCCACATTCCTGTTCCTATGAACACCTGAGCTGGCACAAAAGCTGAGTATTA **ATGCATTGGCATATATAT GCCTTAAGGACTGT** >MPM2000-002P8_breast_Table1_553 TTTTTTTTTTGTCATTTTAAATGTTTATTTTATTTTGCACAATTTTAACAGTAGAGTAATTTTGC **TGTGGAAAATAAAA** GCGGGTCAGCCAATGAA AATCCTGGGCCTTCCGTGTGGCTTGTGGCTCAATCATGATGATGATAAGAGAAGGTTTAGTT **GTGTCTGCTAGGCTCTGC** CTCAGGGATTTTTGGAGTTCTTCTGGTGTTTGT >MPM2000-002P8_breast_Table1_554 ACCCCGTTCTGCCTGAGCATTTTTTCCTAAAGGGAAGAATCAATAGTTTCTGACTGTTTTAAC AGCTGAAAGCTCCAACT TTGTTCTTAAAGCAACAGT GCTGTTTGCATTATGAAATGTCTCTGGAGTTCCCCTTTGGAAAGGCTGCTGGTGGGCCACAT **GGTCACGATACTTTCAAG** TCACACCCTACTTTGTGACCTTATCCTCAGAGTAAAGGCTTTAGAGGAAAAAGGGACCCCACA **GTCTCACCCATTACCTGG** CTGTCAGCATCTCCATATGCTCCTGGCTGAGTTTTATTGAGCATCAGCTGGGGATGTGAGCA GAAACCTGAATCCTTGAG ACAGGTGGTTTTCAAAAAGGAAGCCATAACAATGAGTGGCTTAGT >MPM2000-002P8_breast_Table1_555 **CTTTTAAAGCGCTC** AAAGTGTTTTCACAAGTGCAAGGGGAGGGAATTGTTCTTAGCCAACATTTA >MPM2000-002P8_breast_Table1_556 CCGCCCGGCAGGTACACAGCGGCAGTCGCCCCACACGTCCATGACTGGTCGTCCTAGA **TTTTAGGTGTCGATGAATAC** GGCCCACTGGGAACTGCAAGCCGGCTCTCTGCGAGCGGGAAACCGCCTTTGTCTTGGCCTT **TCCGGAGTCCTTTCCAGCC** >MPM2000-002P8_breast_Table1_557 ACATGGGCTGGAAGTGGGGATGTCCATGGCCCAAGAGACCCCTCCAGCTTCCAGCCCCTG **GCAACAGCGGGAGAGCAAAC** CCAGCACCAGGGACTTGGCGTGAGCCAGGGCCGGGAGGCCCCCAATCAGGCTCTGGGGT **ATCAGAGCAACCAAGTTGACG** TAGTGTGAAAAATAGTATTCCTTTGATAAAAAATACTGTCCCTTGGTCTTCTCTAAGTTTGAA **ACACCCTGGGAGCTTA** TTT >MPM2000-002P8_breast_Table1_558 **CGGCTCACTGCAAGCTCC GCCTCCTGGGTTCACACTTTTCTCCTGCCTCAGCCTCCTGAGTAGCTGGGACTACAGGCGC** CCGCCACCACGCCAGCTA ATTTTTTTGTAGTTTAGTAGAGTCGGGGTTTCACCGTGTTAACCAGGATGGTCTCGATCTCC TGCCCTTGTGATCCGCC CGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCTACCACGCCCGGCCGAGGTA CTGTTCCTGTTGGCCGAGTG QAGACTGGTGTTCTCAAACCCGGTATGGTGGTCACCTTTGCTCCAGTCAACGTTACAACGGA AGTAAAATCTGTCGAAAT

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GCACCATGAAGCTTTGAGTGAAGCTCTTCCTGGGGACAATGTGGGCTTCAATGTCAAGAAT >MPM2000-002P8_breast_Table1_559 ACAAGTTGGGGTCATAATTATCGAGTCTCTTGATATTATCACAATTACTGCGCCCCCTGCACT **TACTGCTGCAATGACTG** CTGGTATTGTGCATGCTCAGAGAGGACTGAAAAAAAACGGTATTTTCTGTATCAGTCCTCCA **AGAATAAATATTTGTGGA** CAGCTCAATCTTGATTGCTTTGACAAGACTGGAACTCTAACTGAAGATGGATTAGATCTTTCG GGGAATCAACGAGTGGA AAAAGCACGATTTCTTTCACCAGAAGAAAATGTGTGCAATGCTGATCTTGGTAAAACCCCAG **CCTGTCGCTAGCATGGCT ACTCGCCATTCACTTACAAAAAT** >MPM2000-002P8_breast_Table1_560 ACCTGAAACTGCCGCCACATGCACTCCTCCACCGCTGAGAGTTGAATAGCTTTTCTTCTGCA **ATGGGAGTTGGGAGTGAT** GCGTTTGATTCTGCCCACAGGGCCTGTGCCAAGGCAATCAGATCTTTATGAGAGCAGTATTT TCTGTGTTTTCTTTTAA TTTACCTTCAGTCAACTTTACCAAGAAGTCCTGGATTTCCAAGATCCGCGTCTGAAAGTGCA GT >MPM2000-002P8_breast_Table1_561 GAACTTGCTACTTTTTTTTTTTTTTTGAGACAGAGTTTTGCTCTCATTGCCCAGGCTGGAGT **GCGGTGGTGCTATTTCA GCTCACCACACCTCTGCCTCCTGGGTTCAAGTGATTCTCCTGCCTTAGCCTCCCGAATAGC** TGGAATTACAGGCACGCA CCACCATGCCTGACTAATTTTGTATTTTTAGTAGACATGGGGTTTCTCCATGTTGGTCAGGCT **GGTCTCAAACTCCCACC** TTCAGGTGATCCGCCCACCTCGGCCTCCTGAGGTGCTGAGATTACAGGCGTGAGCCACTGT GCCAGCTTGCTAATTTTCA CAGAAGTTGATGGCAATTCTTCACATGTAAACAGTGCCAGTGCACAGAACCTTTATATATTTT TTGAAGCCAGT >MPM2000-002P8_breast_Table1_562 ACACAAGTCAGTCCAACAGTTAGTGTTAATTACTAATAATATATGAAAACCCTGCCAACACAA **TTGCTGCTACATCACCA** ATATAATTATTAACCACTGTCGGAAAAACACACATAAATTCAGGTAAGACTAAAAGCTGTCTC ACAAAAAGAAAAAAGAA **ATCCAATGGATCCACTAATGCTATCAAAAGGGACATGCAGGAATGTAACATGACATTTTTAGA AATGTGTGTTTCTAAAA TCCCAAAGATCTTGAT** CTGCTCAGTAATTGCTTCACAAGATCTATCACAGCCATCTTTTGGAGCGTATGGTTAGGCTG **GTCCTCCTGTGGTGGTAG** GGGCAGTCTTTTTGAAGCTTTAAGTATCTGGTGGT >MPM2000-002P8_breast_Table1_563 ACATCGGAAATTATCTACAATGAAGAAAATTTTTTGGTAAACTTATCCAACAGCCTGGGCAAG **CTACCTCTCGCATGGGA** AATTGATAAATCTGAATTTGATGGGGTGACCACAAATTCGAAACACAAATCAGGCAATGCAAA GAAACAAGTTTCCAAGA **GAAAAACTTCAGATAAAAAGGGAAGATATCAGAAGGAATGTCCTCAGCATTCTCCTCTTGAA GATATTAAACAGCGGAAA GTATTAGACCTCAGACGATGGT** >MPM2000-002P8_breast_Table1_564 AGGCCCAGNTATTTAT TGATTAAATCATTGTATTCTCCAATAGAGATTACAATAGAGATCTCCAACATGATTTCATGCAT TTAGAGGAGAAATATT TCCTGGTTAAGGGGAAAATTGTGCGGATGTGGCTTCTGGAAAACCTTCATTCTAAAGCAGCG TTATAGGGAAACATTTCA

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TGGCCTGA

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ATTCCAGCCCACGCCTTCACGGATTGCTGCGATCAGGCCCCAGCACTTGACCCTCACCACACACCATCACCTCACCTAT

TATATTACATTCCACCAGCCCTTCTGGGCTTAAACACATGATCCCAGCACACCTTACGTCCCT TACAGCCAGCGGTCCTT

GGGCTGTGACACACTTTTCTGAGACTTCCACCCCACCTGGAGTGACTCTCTACCC

ACAATCTCATTTTCATAAAAACAAAAGAAAATCATTATGGACATGTGTGTAAAAAATGCTTTTTGGAAGGACTAGAAAC

TAGATCAACCAGCTAAACAGAAGTTCCTTCTGTAGCATGGCAGCGGGTTTCCATTTTTATTAGTTTCCTAGTTTTTTAA

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GGAAACACGCCCCTCATTTACGCCTGCTCCGGTGGCCATCACGAGCTTGTGGCACTGCTGC
TACAGCACGGGGCCTCCAT

TAACGCTTCTAACAATAAGGGCAACACAGCGCTGCACGAGGCTGTGATTGAAAAGCACGTCT TCGTGGTAGAGCTGCTTC

TGCTCCACGNAGCGTCAGTTCAGGTGCTGAACAAGCGGCAGCGCACGGCTGTAGACTGTGCTGAACAGAATTCAAAAATA

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TCTTCTTCTAGTTCAGCATATTCATCAGAGGTTTCGTTCTTTGTTGTATCTTTATCATTATCGA TGGTGACAGCTTCATC

CAGGGCAGCATTTGTAACCTCTGGGGTTGTTTCAGGGTTTACTTTCCGTGGTTTCCCTCGCC GCTGCATCTGTGACCTCT

GGCCGGTTTCAGCACTGACTGGCTGTGGTCTCCGGAGCAGCCTCCCACGTGACCTGGACAGCAGATGCCTCTTTTATG

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TCATGGTCC

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CAAAATTTAGTAAGATGAAAGGGAAATCTATATAAATGTTTGAGAACATTTTAGAGCACGGGA TTTGTAAATTTCCCCAT

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AGTTCCTGAGCTCAAGTGATCCAACCACATCTTGGCCTCCCAAGGTGCTGGGATTCCAGGTGTGAGCCACCGCCCCAGC

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CTTCAATTTCAAAGCT

TAAAAGAAGCCACCT

Table 5

TTTGCTGGGGTCCAGGAACTCCAGTGAGAAGGTCTTCCCAAAGCCAGGGACACGTACCTCG GCCGCCCGGGCAGGTACTC CAGGACGAAGAAGAACATCATGCTTGATACTTAGATTGGTTTTCCCAGGGAAGAGGGCGG AGCAGAGCAAAGTCACTGT GAACCCTGGGCCAGGCCCTGGCTGGCCAGCTCCTGAGAGCGTCTCGTGTTGCAGACCCT **TGCCCACTTCACCCACCTGC** ACCTTCTTCCCCTCTCACAGTGTCACTGCTGCTAATGGTCAAAGTC >MPM2000-002P8_breast_Table1_582 **AAGGCTGGAGTGCAGT** GGCACGATCTTGGCTTACTGCAACCTCTGCCTCCTGGGTTCAAGCAATTCTCCTGCCTCAGC CTCCCAAGTAGCTGGGAC TACAGGCGCACGCCCCACACCCAGCTAATTTTTGTATTTCTAGTAGAGACGGGGTTTCACC **ATGTTGGCCAGGATGGTC** TCAATCTTTTGACCTCATGATCCACCCGCCTCGGCGTCCCAAAGCGTTGGGATTACAGGCAT GAGCCACCGCACCCGGCC TCACTTCAAGAATTTTTTACAAGCACAGAAACTATATCTCAGTGTATGATAACTGTTACTATAA **TACTATATTGTATTAT** AAATATACAAGCTATCTGAGGTGTGTGATAGCTCCACTACCTNCACCAAGCTTTAGGAATATA TATAATCTACTT >MPM2000-002P8_breast_Table1_583 ACCACTTCTGATGATGGAAGCAGTGACCTGGATCCCATAGAACACAGCTCAGAGTCTGATAA CAGTGTCCTTGAAATTCC AGATGCTTTCGATAGAACAGAGAACATGTTATCTATGCAGAAAAATGAAAAGATAAAGTATTC TAGGTTTGCTGCCACAA ACACTAGGGTAAAAGCAAAACAGAAGCCTCTCATTAGTAACTCACATACAGACCACTTAATG GGTTGT >MPM2000-002P8_breast_Table1_584 ACTAAGTGAAAGAAGCCAGACAAAAGGTCTCATACAATTCGATTTATATAAAATAGCAAGA **ATAGATAAAACCATAGA** CTTAATGGGATGGGGTTTCC TTTTAGAGGAGAACATTTTTTTGGAACTTTAAATAAAGGTGGTGGTTATGCAACATTGTTAACA **ATACTAAGTGGCACTG** AACTTCTCACTTTAAAATAGTTAATTTTATGTTATGTGAAGTTTACCTCAATAAAAAAATTCTTA **AAAAAAAAACTCAGT ACTATGAGGGGCACCC AGATATGTAAG** >MPM2000-002P8_breast_Table1_585 ACACACATCCTTTCAAATATTCTTTCTTTATTCTCCAATTCACTTTTCAGGAGAATAGATAAC CTCAATCATATTGATT CTCAGCCTAATGGTCTCCCTTACATAAATTATAATGACATAAGCATTTTGTATCACTTTATTGT **TACCATCGACCTCCTA** CAGTTTGGGGGAACCCAATCATTCTTTAAAACATTAGAATGACAACTCCAGTTGATTTGGCAT **ATTGTATAGGTGAGTGG ATCTCTCTTTGGTGCTAGT** GTCATAGCTCCCTATCTGTTCCGCTAACCCATTAAATGATGTGGTGGAAGAGGGATCCTTTAC AATCTTTGTTCATTTTTT **TACAGAGCAA** >MPM2000-002P8_breast_Table1_586

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AATACTCTGCAAATCCAATAAAATCTGCCATTTCATATCCATTCCTGCTTTATATTTTTATATTT

GTAAATACTATTTCTTTGGCAAAATACCAAAAGGGACAAAAAACCTTTAAAAATTACAGTAAA **ACATAAAGTAGTTCTC** AGGTGGAAAAGTTATCATTCCCAATGTCCTTGAGTTGTTCCTTAATCAACCTTTGTCAC ATTCTGCTT >MPM2000-002P8_breast_Table1_587 ACTACTTTGAGGGCATTAAACAGACCTTTGGCTATGGCGCACGCTTATTTTAGGGCCAGCGG CAGGGGACTCCAGCCTGC TGGACACTTCAGTCCAGCTCTCCCTGACTGGGGCTTGCGACTCACAGGATTGCATCGTCC CAGCTGCTAACTTGGGGCC GGGCAGGGGACTCCAGCC TGCTGGACACTTCAGTCCAGCTCTCCCTGACTGGGGCTTGCGACTCACAGGATTGCATCG TCCCAGCTGCTAACTTGGG GCCGGGGCCC >MPM2000-002P8_breast_Table1_588 ACGTAGTAAGAGAAACATTGCCACAAAATCCTCTTTTAAAAGCTCTTTCAGGACACTAAATTA **AGTCATTCATTTCTGAG** ATTTTAAAGGCCAACAATGTCTCTATTTTCAGACTATGTCACAAATGACATAAATGCCAAAATT **ATAGATCTTAAGAAGA** CAACACATAAAATACAGACTTAGACAAAACAAATGACTAAAGCTGCATAGTTCTGCTAGACTT TATTCAAAACTGGCTCT ATTCTTAATTATTTGAGAGACCTAAAATTCTAGTGTTCAAATGTAAATACCCATCATATACTGA **AAAGTCATCTTCAAAT** TTGTG >MPM2000-002P8 breast Table1 589 ACCACTGAATCCAAGGCTCTCTTGGGTAGCCTATGTGCCTCTTGGATGGTATGTGAACAAGG **TAGGGATGAAACTGCAGA GTATTCCACATACCTA GGGAAGGCAGAGAGCAA** GACAGAGGGCTCAATCACAAAGCTGGGACAAGGAGAGCAGCTGTTTTTCACACATTCCTGC **TCCTCTCTCAGCTGGGCTC** ATGTTCACTCCGTTTCATTCCAATCATCAGG >MPM2000-002P8_breast_Table1_590 ACAGGACAGCCAGCGTCATCATTGCTTTGACTGATGGAGAACTCCATGAAGATCTCTTTTTC TATTCAGAGAGGGAGGCT AATAGGTCTCGAGATCTTGGTGCAATTGTTTACTGTGTTGGTGAAAGATTTCAATGAGACA CAGCTGGCCCGGATTGC GGACAGTAAGGATCATGTGTTTCCCGTGAATGACGGCTTTCAGGCTCTGCAAGGCATCATCC ACTCAATTTTGAAGAAGT CCTGCATCGAAATTCTAGCAGCTGAACCATCCACCATATGTGCAGGAGAGTCATTTCAAGTT GTCGTGAGAGGAAACGGC TTCCGACATGCCCGCAACGTGGACAG >MPM2000-002P8_breast_Table1_591 ACACGGAAATCTGGACAGTGCTCCACAGATTGATACATTAGCCTTTGCTTTTCTCTTTCCGG **ATAACCTTGTAACATAT** TGAAACCTTTTAAGGATGCCAAGAATGCATTATTCCACAAAAAAACAGCAGACCAACATATAG **AGTGTTTAAAATAGCAT** TTCTGGGCAAATTCAAACTCTTGTGGTTCTAGGACTCACATCTGTTTCAGTTTTTCCTCAGTT GTATATTGACCAGTGTT CTTTATTGCAAAAACATATACCCGATTTAGCAGTGTCAGCGTATTTTTTCTTCTCATCCTGGA **GCGTATTCAAGATCTTC**

> Page 103 (of 176 pages in Table 5)

CCAATACAAGAAA

>MPM2000-002P8_breast_Table1_592

ACGGTGTGCTGTCGATGAGCACGATGCAATTCTTCACCAGGGTCTTGGTACCAGTGCCCCT TTTCAGACAGATTTTGATT CGCTCTAGACTTTTTTTTTTTTAATAGGGAAAAAATTTGATAATTTTCTTTTTCTACATGCA **CTTAAGACTAAAACA** CAGGTTTGGATTAATTTTATTCTGCTTCCTT >MPM2000-002P8_breast_Table1_593 NNCNCNCGGNNNNNNAAANNNGGGGNNNNTACATAGAGGTGAGGGTCATGCCGTGTTTCA **GCTCAATCANNGTCAGGACT** TCGCNNCTGCCCACCA >MPM2000-002P8_breast_Table1_594 ACTCTGAAGGTAGGATGTGCAGCTTTTTCTTAGGCAGGATAGATGTAACATAGATGACTGCA TAAAAAAGAGGCAGAAAG GCAGGAAGCCCATTTTTTTTTAACACTTCTCCATGTGTCTCTGCCTCACCATAATGCTGTTT ATTCAATTATTCATATA TCCCGATTGTGTTTTCAACACAGGTCTACACAGCCACCAGCTACAAGGCAAGGTCAATCGTGT **AAAAAATAAAACTGGATA** >MPM2000-002P8_breast_Table1_595 ACCGTCGCCGGCTCTCCGCGCGCTTTCCGGGGCACTTGGGTCCCACAGTCT GGTCCTGCTTCACCTTTCCC **TGATGAGCGGGCTGATGCA** GAAACTCTTCGGAAGGCTATGAAAGGCTTGGGCACAGATGAGGAGAG >MPM2000-002P8_breast_Table1_596 **ACCTTTNTCGGAGATTATGTCTACTTTGAGAATTCCTCCAGCAACCCATACCTAATAAGAAGG ATAGAAGAACTCAACAA** GACTGCAAGTGGCAACGTGGAAGCAAAAGTAGTATGCTTTTATAGACGACGTGATATTTCCA **ACACACTTATAATGCTCG** CAGATAAGCATACTAAAGAAATTGAGGAAGAATCTGAAACAACAGTTGAGGCTGACTTGACC GATAAGCAGAAACATCAG TTGAAACATAGGGAACTCTTTTTGTCACGCCAGTATGAATCTCTGCCCGCAACACATA >MPM2000-002P8_breast_Table1_597 ACTCATGGAAAAGGAGTTCCCTGGATTTTTGGAAAAATCAAAAAGACCCTCTGGCTGTGGACA AAATAATGAAGGACCTGG ACCAGTGTAGAGATGGCAAAGTGGGCTTCCAGAGCTTCTTTTCCCTAATTGCGGGCCTCACC **ATTGCATGCAATGACTAT GTTATGGATATTCATAAG GTTATTTCAAAGTTAATAAAGACAAAGTGGCAACTGTAGAAAGTGTTGCCTCCAATCTTGGTC CGTATTTCCAAAGCTTG** TAAACACTGCCA >MPM2000-002P8_breast_Table1_598 **CCAAAGGGCTGGGATTAC** AGGTGTGAGCCACCGTGCCCGGCACAACCTTTCTTTGTTATGAACANCCTGTGTCTGCTGTG **AGATATGCTGC** >MPM2000-002P8_breast_Table1_599 ACAAAGCTATAAAGGAACGTTTTTAGAGAAAGCACTGAAGACACACATTTTGCTGACCTAAAA **GATTITAAAATGAATTA** GAATAATTTACATCATATAAAGAGGTATTTAGTCTTTAAGTGGAGAAAGTTGCTAGTCACATG TA >MPM2000-002P8_breast_Table1_600 NGNGGCGGCCGAGGNACNNCANAANTNNNTTCGGGGGNCANAAAAACCCCCCACNCCCCC NNNCNAGGACACCNCGNGGA **GGCCNCCAANANGNCCGANG**

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Table 5

NGANGGCAGCNGCNNTNNAAGANGANTNNTTNTNNNGCGGGGGNAACGNCCCCNANAAAA GAGGGACCNGANCGGNCNCC CCGCCGGCGGAAGCACGAGGAGNNCNGNGNCCCCACGNCCACGGNNCCCGCNACNGNG NCCAACAANGNGNNNNNANCC GANNNCAGCANCAGGGANCNGCAGNCCAACGNGGAGCACCNGA >MPM2000-002P8_breast_Table1_601 ACTGGTCTACAGGGACAAGCAGTCTTTAAAACGAAACTCACCTTCAGACCTCACTCTACGGA CAGTGCCACACATAGAAA GATGACTCTGTCACTTGCAGATAGGTGTTCAAAGACACATGAAGATTAGAATCTTGCCAATG **GCTGGTCGTGACCCTGAA** TGCCAACGCACAGAAATGATTAAGAAAGAAGAAGAACGTTTGAGGGCTTCCATACGTAGGGA **ATCTCAGCAGCGCCGAAT** GAGAGAGAACAGCACCAGCGGGGGCTGAGCGCCAGTTACCTGGAACCTGATCGATACGA TGAGGAGGAGGAAGGCGAGG **AGTCCATCAGCTTGGCTGCCATTAAAAA** >MPM2000-002P8_breast_Table1_602 AAAAAAAACAGAAAAGANGNGAANCCCCCCCAGNGAGGGGGAAAGGAAAGCAACACCA **AANAAAAGCCCACAGCAG** >MPM2000-002P8_breast_Table1_603 ACCACGCACAGGAGCCGTCATTTCTCTTGATGCAGGCGAAGAACTTGGCCTGGTGCCCGTT GATGTTCTTCTCTGTGACC CAGTCCATCCAGAGGCACTCGTCCGGGGAGGAGATGTAGCACGGGATCATGGGGCAGCGC GTGATCTTGCACTCGCAGCC GACCATAGGCAAACTCTGTT **TAATTTAGAAAACAGG** >MPM2000-002P8_breast_Table1_604 ACAGGCACAGCATATATTTGAGAAAACATCTTACAAATTTCATTTACTATAGGTTTCTCAATAA **TCTTTACATTTAATCA** ATGAGAAAAGTGATTCAGTCTCTTGAATTTTAAGTTAAAAAAATTAAAAAGTATTTCCAGGGAC **TCTTAAAGCTCTCTCC** CAAAGTATAAAATATTATGTACTGTGGGGTCAGATTCAGCATACTTGAGGGAACGAAAGACTT TTCGTTGGGGCGTGACC CGTTTGATGTTTGGATGATCTTCAAGTGTTAGCAGCCCCGCTTTCTGTTTTTCTTTTATCTGAA >MPM2000-002P8_breast_Table1_605 ACAGACATTTTCAAAGTTGCCAGTGTTACTTTAATTGGACTGCCTTCGTAATTCATTGCCTCT **GCTTCAACAATGTGCAA** CTCATCCTTTGCACCAGCCCCTAAACTGACCGTTCTTAAAGATAACTGGTGCTCATTTTCATC ATTATCCACCTTAAAGT GATAATCTTTGTCGGCCTTTAGTTCACAACCGAAAAGATAGTTCTGGGGCCTCAGGGGGCTC ATGTCCATGTCCATCACA **GCTTGCAAAAAAC** >MPM2000-002P8_breast_Table1_606 TTGAGCTGTAACTGAGCT ATGGAATAGCTTCTTTGATGTACCTCGGCCGCCCGGGCAGGTACCTTAACATTCACATGGAA **GTAGTAAAAATAAGATTC AAATACATTACAACCAAA** ATTGACTTCAAGGCACTTTTGAAGGAGATCAAATTTATAACAAAATAATTTAGTGAAAGTGAAA

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ACCTGGACCTGCCGCGCCCGCGCGCTGTTTACATCTTTGCCAAGAAGAACGACATT CCCTTCGAGCTGCGCATC GTGGATCTGATTAAAGGTCAGCACTTAAGCGATGCCTTTGCCCAGGTGAACCCCCTCAAGAA **GGTGCCAGCCTTGAAGGA** CGGGGACTTCACCTTGACGGAGAGTGTGGCCATCCTGCTCTACCTGACGCGCAAATATAAG **GTCCCTGACTACTGGTGCG** GCGCACCCTTCAGGGTCTTGAGATTGAGCTGCAGTCACAGCTGAGCATGAAAGCTGCCTTG **GAAGACACACTGG** >MPM2000-002P8_breast_Table1_608 CTCACTATAGGCTCGAAGGGGAGACCCACCGCGGTGGCGGCCGAGGTACCCAGGATGGTA **GCTGGCAGGAGGGAGCCTGT GTTCCTGTGACCTGTGACCCACCTCCACCAAAATTTCATGGGCTCTACCAGTGTACCTGCCC GGACTTCCTCTCCTACCT** ACAGTCCCTGCTCCTATTCCCACCTCAGCAACTGAAGCCGCCCCCTGAGCTCTGCTTTGAG GATATAAACACATTTAAAT TACTGTCATATGCTTCCTATTGCATTGAGCATGGTGATCTGGAGCTAGCAGCAAAGTTTGTCA **ATCAGCTGAAGGGGGAA** TCCAGACGAGTGGCACAGGACTGGCTGAAGGAAGCCCGAATGACCCTAGAAACGAAACAGA **TAGC** >MPM2000-002P8_breast_Table1_609 ATTAACACATGATGGAAAAGTCATTGTGACGCCAATGAATTTCATTGAGTATAAACTCATCTA CTTCAAATTTATTTTAT AAGACAACCTAAGATACTCAAGATAATTATTTAATGGTTAGCTCTTAAGTTGAATTGGTCTACA **TAATGCGTGGGAAGAA** AACCAGATTTTTAGCCTTCTTGCCAAATCCAGACCTCTGGTTGATTTTTCTTTGACAGAAGAT **GCAAGTTATTTTCCAAT** TTCACAATTAAATGTATTTAACATGAACATTATTTTGCTTTAAAAACTATAAACATTGTAGGAGA **ATTATAGCCAGTCTT** CAGTTATAACCACTC >MPM2000-002P8_breast_Table1_610 **AAGTCCCGGGGCTATGGATT** TGTCACCATGGCTGACCGGGCTGCTGCCGAAAGGGCCTGCAAGGATCCCAATCCCATCATT GATGGCAGAAAGGCCAACG TGAACCTGGCATACTTAGGAGCAAAACCAAGGATCATGCAACCAGGTTTTGCCTTTGGTGTT CAACAACTTCATTCAGCC CTTATACAAAGACCTTTCGGGATACCTGCCCACTATGTCTA >MPM2000-002P8_breast_Table1_611 TITGCAGCTCGTGCCATCATTTCAGAGCTGGTGAGCATTTCAGAACTAGCTCAACCACTAGA AAGTGGCACCCATTTTCC TCTCTTCCTACTTTGTCTTCAGCAGTTAGCTAAATTACAAGATCGAGAATGGTTAACAGAACT TTTTCAACAAAGCAAGG TCAATATGCAGAAAATGCTCCCAGGTAAGAGAATGCTGACTTGTTTTGTTTTTTTAATAT **TATATCTAGAGATTTC AGGT** >MPM2000-002P8 breast Table1 612 **ACAAATGTGCCGTGTCTAACAACTTTCATTGAAAATGCCATATCTATACCATATTTTATTCGAG TCACTGATGATAGAAT** GATATATCTTTTCATTATTATAGCAGAATATTTTTATGGCATGATATTAGACGGCTTGATCAT **ACCTATTAAAATAATG** CCAAACACCAAATATGAATTTTATGATGT >MPM2000-002P8_breast_Table1_613 ACAGAACTTGGTCATAATATCTTGCATTTTATAGATTTATAAAGATTAGTTTCAAGTTCACATT **CGCTATTCAGTTGTA** AACCGAATGGATGGGAGGGGAGAAAATATAAGCTCTCCACACAGGTATGCTCCTCTCTTTTC **TGAGAGAGAAGGCATGGG**

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Table 5

ATTTTCAGCATAAATTCCATGTTATGTGAGTGCTGTTTGAGTTCTGAAGTTCCTATCAATATCTGTTCCTGCAAGTGATC

TCTGTAAGACCACCTTACATGCTGGTCTTAGTTATTGTTAAAATTGCAAGGTTTCTTCACACCCCTCTTTGATAAGAAGTG

TTTAGCTGGCAGAGCTT

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ACCTCTTGAGTGTCCCTTGAATTGGTAACCGGTTTGTTGTCATTATTTTCTAAGCGAATATGCCGTAATTGGTTATTGGG

AACATCTTTGACAAAGATCCATTTAACTTCAAATTTGCCCTTCCACTTATCCTGAGACCAGAC ACCAGCATACGCATTAT

AGTCCACAACAGACTTCATTTCAGCCACTCCACAAAAATGTCCACTGCCATTCACACTGAAG AGTAAATAGAGTGGGCCT

TTCCCATTCAGGGAACGGTAAGCTGCATCCAAACGCTTATTACCATGCTCAGT

>MPM2000-002P8_breast_Table1_615

ACTTTTGATTGTGCACGCTTTTAAATAGAGAGCAGAGTTGCCCACTTGAAACTACTCTCTTGC ATGGGATATTTCAAGCT

GTTTTACTATGGGCAAGGAGCAGGGCCAAAATGCTGCCAGGGCTTAAAAAGAGCCGTGATCAGATTAAACAGAAGTTGG

AGAAGTGGAGGATGTGGGCCACACACGAGAAGAAATTCAGGAAGTAAGAAGTAAGAGTGACCTATTATGCTTCTCAAG

GACAGGATGGTGAACAGCAATCTTGCCAGTGTGGAAGAACTAAAGGAAATTGATGTGGAAG TGAGGAAGGAGATTGAGGA

TGCTGCCCAGTTTGCCA

>MPM2000-002P8_breast_Table1_616

AGGAATTAATCACAGTGGAAGCTTGCACGGTGGGCCA

>MPM2000-002P8_breast_Table1_617

ACAAATGTGAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAGGACTCAGTGATCTGCCTTAAGGGCAGTCAATGGTCAGAT

ATTGAAGAGTTCTGCAATCGTAGCTGCGAGGTGCCAACAAGGCTAAATTCTGCATCCCTCAA ACAGCCTTATATCACTCA

GAATTATTTTCCAGTCGGTACCTCGGCCGCCCGGGCAGGTACCCAAGGGATGTTTCCAAGC TTCTTGATCTTTAATCTTT

TAGCAACCTTCTGATACTGGATTTACCTTCCTAGGTGTGCCCTCCTTCTGGAATTTAGATCTCTGGGGCAAACCCTG

TCAGGATG

>MPM2000-002P8_breast_Table1_618

ACCCTGTGGCAAAATTAGTCACTGGTAATGAGAAAGATATCACTGAAAGCCTCAAGTGCCTG AGAAACAGTTTACTCATC

CATGGGATCTCGCCAATTGTGAGGAAACAGCTCAATGGCCATTTCCAGTTATAAGCAGCTTA
TTTTTACTGATTGGACCT

GGTTACCTATCATTTCTAAAAATAACTTCTGATACAATTTGTACTTCCAATTTATAATGAATACT

TAGGAGGGAGCAGGAATTATGAACTGGGGTAAACCCATTTTGAATATTAGCATTGCCAA TATCCTGTATTCTTGTTT

TACATT

>MPM2000-002P8_breast_Table1_619

ACTCAATACATCTTTAATAAAAATGGGGATCGGCTTCTCTGGAGTCACGACAGTTGTTAAGGGCACCCCAAAATAGTTAC

TCTCCCAGGTTGCCTTTGCGGTGGATGGCCGGCGTTTGGGTTTCTTAGAGCTCCTCCTTACGCTGCGAAGAATA

TTCCTGCTCCGAGGGTCTTCGACTGTTTCGTATGGAATGACAGCATTGTCCCCTTTATAACCCTGGGATGCCTGATCCTC

CTCTTTCTTTCGGATGGCCCCAGCTCATCATCACTCCCCACGCTGAAGCTGCTCCGGTAACTAGCAAACCGCCCCAGCC

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Table 5

GGGTGCATGTCGTACTGT >MPM2000-002P8_breast_Table1_620 ACTGAACAAAGGCATAGCCCTTGTGCACAGAACAGCCGGCCACACGGCCATACTTAGAGAA GATGGTCTCCACATCTGAT TTCTTCACCAGAGCTGTGTTGAGGTTTCCAATGAAGACTCGAGAGTTGATGGACTTGGGGTC ATTCTTGTTGGTTACATT **TGTGCTGGCACTGTGGAG** ATGCTGGGAAACACCGTGCTCACCAGTCTTCTGCTCTACTTGCTTTTCAAGAAGCCCCCTCT CTGGGAACCAGTAACAAT GATGAGCTTAGCCAGCTGTTTCCTCCTTTGGGTTACAGGGTCAGCACCACCTGCC >MPM2000-002P8_breast_Table1_621 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAACAAGAGTTTGATTTTATTG **TATATATATATA** ATTAAATATTTCACTGAAATACATGGTTAACCATCCTCCCCCACCCCCACAGGGGTTACATTA **TAAAACCAAAGCCCACG** GCCTCCCACCTTCTGACTCCTTTACCAACTGGGTGAGGAAAGGGACAATGGTACCCCAGGG GAAGGCATGGCTGGCACT **GTGGT** >MPM2000-002P8_breast_Table1_622 ACCAGGAGAGCACAATTGGAGCGGCCTTCCTCACACAGACTGTCTGCCTGGATGACACAAC **AGTCAAGTTTGAGATCTGG** GACACAGCTGGACAGGAGCGGTATCACAGCCTGGCCCCCATGT >MPM2000-002P8_breast_Table1_623 AACACAGTCATTAAA >MPM2000-002P8_breast_Table1_624 TITTITITI **GGGCTAAAAAAAAAA TGGGGCAAAACCCCCATC** CCCCCTTGTTTTTTTTTTTAAAAAAACCTTTTTTTTGCCCCCGGGGGGGCCAAAAAA AAAAAAAAGGGGGTTT CCCAAAAAAAAAAAAAAA AAAGGCCTTGGGGCCCC >MPM2000-002P8_breast_Table1_625 **ACAACAGGCTCCAATGACAACACTTAATTCCAGCTATACGGGGCAAAAGATGTTATGGGAGG** GAATAGAGAGGTTTAAAT ACAGACGAAATAAAGGGTCACCATCTCCTCAGGCACAAGGAACAGCTTACTTTTTGCCAGAT CTCTTATTTCCACCTGTG GCCAAGGGCCCCTTCCCCGTGGCCTACGCTTTTAGCTACGCGAGTAACTACTGCTCCTATTT TTGAATCTGCTTGAAAGC CTTATCTTCCTCGAACATCTCCTTGGCCTGCTTGTTGGGCTGGTTCAATGGGTATTTCTTGCC **ACCTAAAT** >MPM2000-002P8_breast_Table1_626 TTAGCTGAGCACTGGC TAGCTGCCAGGTATTGCACTAAGGACCCAAAGATGAAGAGAGATGATGTCCCTGCCCTCATG GAGCTTGCAGTCGTGTTGA GCAGACTGTCAAACAGATTTAGGTAAGGCAATGTGACCAGTGCTATGATACAAACAGGATGC TACAAGAGT >MPM2000-002P8_breast_Table1_627

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Table 5

ACATTTCGAGCAGCGGAAGAAGGAGGAAGAGGAGCTGGTTGCCTTGAAGGAGCGCATTGA GCGGCGCCGGTCAGAGAGAG CCGAGCAACAGCGCTTCAGAACTGAGAAGGAACGCGAACGTCAGGCTAAGCTGGCGGAGG **AGAAGATGAGGAAGGAAGAG** GAAGAGGCCAAGAAGCGGGCAGAGGATGATGCCAAGAAAAAGAAGGTGCTGTCCAACATG GGGGCCTATTTTGGCGGCTA **GCATCCTTTCCGAGCGTAAGA** AAGCCTTTGGACATTGACTACATGGGGGAGGAACAGCTCCGGGAGAAAGCCCAAGAGCTGT CGGACTGGATCCACCAGCT >MPM2000-002P8_breast_Table1_628 GAACCGCCAGGAGCCAGAAGGCGAGCTTGGCGAGTTTTGTGTGCTTTTTGACCTGCCCGGG **CGGCCGAGGTACTTGTTATC** AACACATTTGTATCAGAGTTGCTTTTCTAATCTTGTTAAATTGCTTATTCTAGGTCTGTAATTTA TTAACTGGCTACTGG GAAATTACTTATTTTCTGGATCTATCTGTATTTTCATTTA >MPM2000-002P8 breast Table1 629 ACCATGTACTTATTGGAGTTCCTTACGAGATGTACACATCGCAGTACCTAAAGAACTGCCCC **TACCACTTCCTCTTGGGC** TTCTTTATTCGCATTGTGGATCAATCTATTTTGTGCGACTCTTTACATTGTATCATCTCGGCAA CTTAATCCTATCCTTT **ACTGACTCATACTCCTTATGCTGAACTTTTCAATCCAAAATCTCTATTGTTGTAGGACTCTGG** GAAGCGGTTGATAAAAA GATAACACGAGCTACTGATATGGACAGGAGATGTTTTCTAAACAAATTGTATAAATATAAACA **TGAAATGTGGCAATGAT** CCCTTTAATTAGAACATTGAGCAATAAAGGATATGAACCATTAG >MPM2000-002P8_breast_Table1_630 GCTTTTTTTTTTTTTTTTTTTTTTTTCCAAAATTAGCATTTTATTCAAAACGCTGGGG **TCAGAGGTGTATCA** TTTATATTCTGGTAGGAATTGTATTTACCTTTTATAATTATTATTAGGGGGGGTATGGCTAATG **AGTTCTGATTCACCCA GCTACTCTAAAGGTTT** GGATATATGTATTGTAATTAGAATTGTTGGCATGATGACATTTCATTTGTGCCAAAAATATTAA AAATGCCTTTTTGGAG GGACTAACAGAAAGCACCTGATTTGCACTTGAACCAGATTATAGATTTAAAAGTTTATGACAT **GTATTTTGTTTTTAAAA** CTAGAATAGCCAGTATTTATGTTTTTTATAAAACTGT >MPM2000-002P8 breast Table1 631 GGCAATTGAGCTCACCGCGGTGGCGGCCGAGGTACAACCAGTTGAAATTTCCAGTAAAGCC **TGCTGATCTTAAGAAGAGA** ATAGAATCTTTAATTGACCGGGACTACATGGAAAGAGATAAAGAAAATCCAAACCAGTAGGC **TGGAAGAGGATCTTGGGC** GCCGCCAGTCTTTAGCACCAGTTGGTGTAGGAGTTGAGACCTACTTCACAGTAGTTCTGTGG **ACAATCACAATGGGAATC** CAAGGAGGTCTGTCCTGTTCGGGCTGCTCGTCCTGGCTGTCTTCTGCCATTCAGGTC **ATAGCCTGCAGTGCTACAA** CTGTCCTAACCCAACTGCTGACTGCAAAACAGCCGTCAATTGTTCATCTGATTTTGATGCGT **GTCTCATTACCAAAGCTG** GGTTACAAAGTGTATAACAAAGTGTGGGAAAGTTTGAGCATTTAACCGACGTCACA ACCCGCTTGAGGGAAAAT GAGCTAACGTACCTGCCCGGGC >MPM2000-002P8_breast_Table1_632 ACCTGAGGATCGATAAAAGAGGCAAAGTAAAAGGGACCCAAGAGATGAAGAATAATTACAAT **ATCATGGAAATCAGGACA**

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GTGGCAGTTGGAATTGTGGCAATCAAAGGGGTGGAAAGTGAATTCTATCTTGCAATGAACAA **GGAAGGAAAACTCTATGC** AAAGAAGAATGCAATGAAGATTGTAGCTTCAAAGAACTAATTCTGGAAAACCATTACAACAC **ATATGCATCAGCTAAAT** GGACACACACGGAGGGAAATGTTTGTTGCCTTAAATCAAAAGGGGATTCCTGTAAGAGG AAAAAAAACGAAGAAAGA ACAAAAACAGCCCACTTTCTTCCTATGGCAATAACTTAATTGCATATGGTATATAAAGAACC AGTTCCAGCAGGAGATT >MPM2000-002P8_breast_Table1_633 CGGGACCGGGCCGCTGGGGTCTGGACGGGGGTCGCCATGATCCGCTTTATCCTCATCCA GAACCGGGCAGGCAAGACGC AAAAGGAGGGGGG >MPM2000-002P8_breast_Table1_634 Π $\Pi\Pi$ >MPM2000-002P8_breast_Table1_635 ACTCTAGTCGGTTAATTTACACTTTATTTTTTTAAAAAGTTGATTTAAAAAAGAAAAACAACAACAA **GTTTAGAATCCATAAA** ATGTCAGCAATGCTGATGTGCACTGGACTGAAACATCTTGATCATCTTCTGATAGAAGTAATA TTCCATACAAAAAGATT >MPM2000-002P8_breast_Table1_636 TTTTTCCCAAACCCCAAGGAAAAGGCCCCGGCCCTTTTTTATTTTTTGGGAAAAATCCCGG CCTTTCCAAACCAAACG AAAAAACCCCCCAAAAA AAAAA >MPM2000-002P8_breast_Table1_637 ACTAAACACAGATGGGCACACTCTAGATATAGAACACGTTTCTTGCTGTGGTTGTGTGACAA **ATGGCTAGAATTTTAGGA** GGCTCTGGGACTGCACACTGTATATGCAATCCATCTCAGACTTTGGGATGGGAATCCATTTC **ATCATCCAGCATGGCGAA ACTTGGTTCATTCGCCCCAATGTGAGTCCTTCCTGGGTAAAATTAAAGGCAGACCGGTTGGG TGCTAAGGATCCCTGGTG** TGGAGAGGCCATTCCGTTGAGCAGCTGACTGTGAAATCAATACCAAAGGNGATGNTGGGTC CTGGCGTTGGGGAATTCTT TGACAACTTTCTTGTCCTTCCTTAGCA >MPM2000-002P8_breast_Table1_638 CGCCGCTGGGCCTGCAGGTCTCTGTCGAGCAGCGGCCGGTCTCTGTTCCGCAGGATG **GGGTTTGTTAAAGTTGTTAA** GAATAAGGCCTACTTTAAGAGATACCAAGTGAAATTTAGAAGACGACGAGAGGGTAAAACTG **ATTATTATGCTCGGAAAC GCTTGGTGATACAAGATAAAATAAATACAACACCCCAAATACAGGATGATAGTTCGTGTGA** CAAACAGAGATATCATT TGTCAGATTGCTTATGCCCGTATAGAGGGG >MPM2000-002P8_breast_Table1_639 AAAAAAAAAAAAAACCTCGGCCGCCCGGGCAGGTGTCTTGCGCCACCATGCCTGGCTAAT TTTTGTATATTTAGTAAAG ATGGGTTTTCGCCATGTTGGCCAGGCTGGTCTCAAACTCCTGGCCTCAAGTGATGCACCTG CCTCAGCCTTCCAAAGTGC TGGGATTACAGGCATGAGCCACCGTGCCCGGCCAAAGTCAGCTTTCAAAATCCAAGCCATA ATTGGTGAGGGGGGGAGTTT

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CAGAATTACATAGAAAAATTAATATTTGAAAAAATAATTCTGAAATTTCGAATTTAAAAACAGAT **GTGCTGCTTCTGGGT** GTAGGTAGCAAAAGTATAGGAAAAGAACTGTTTCCTTAGAAGCGGACT >MPM2000-002P8_breast_Table1_640 CCGAGAAAAGAGCTAGGGTAGGCAACTAAAACTTACACAGTGCCAGTCTCAGGAGGTCAGT **AGCTCACAGAACTCAACAG** ATAAACTGGATTAAAACTTAAAAGTCTTCTTTCTATTTGAGCCCATAATGACTATTTTGAACAT **GGCTCTTTTGCTGCTG** CCTATATAAAATTTTTATTAATTTTCTTGTATTGGGAAGATCTTGAATACGCTCCAGGATGA GAAGAAAAAATACGCT GACACTGCTAAATCGGGTATATGTTTTTGCAATAAAGAACACTGGTCAATATACAACTGAGGA AAAACTGAAACAGATGT GAGTCCTAGAACCACAAGAGTTTGAATTTGCCCAGAAATGCTATTTTAAACACTCTATATGGT GGTCTGCTGTTTTTTT GGGAATAATGCATTCTTGGCATCCTTAAAGGTTTCAATATGTTACAAGGGTATCCGGGAAGA GAAAAAGCAAGGCTTATG TA >MPM2000-002P8_breast_Table1_641 ACCTCAGGGGTGGTCTGTGGAAGCCTTAAACTCTCCACACTCAGAGTCCTTTGTTTCCCCAG **AGGCTGTTGCAGAACCTC** CTCAGCCAACGGCAGGTATGTCTCCCTGCAACACACGCTGTTGT >MPM2000-002P8_breast_Table1_642 AACAAGCTTTTTTTTTTTTTTTTTTTTTTTCGGAACGTACAGAAAATTTTATTAAAAAATT AAAACTATTTAAAA CCTGGTATATGAAAATAGGCAACAGTGAGAAAAACGCACTTTTGTGACAAATATTTAGCTGGT TTGAAAGACAGAACAAG GAGGAATCATTTACTCATAAAGAAGGCTCAAATAAGTTAAAACATGGGTGTATTTTTAAAATG **ACCACTCTAGTCGTGAA** TITAAAAGTCTTTTAAGGGTTAGAGTAATCTTTTTACATTAGGCTTGGCTATTTCCTTTAGTTC **TGACAAGTACCTAGCC** CGTTCTAGAACTAGGGGATCCCCCGG >MPM2000-002P8_breast_Table1_643 ACAGTCAACATGCTAGAGGTCCAGCATTTCACAAATACGCCATGCAGTTACATGAGGACTGC TACAAATTTTGGAGCAAT GGCCATCAGCTCTGTGAGGAGGAGGAGTTTAACTGATCAACACTGTGTGCACAAATTTCACTC ATTACCTAAATCAGGAGA AAAACCAGAGGCTGATAGAAATCCGCCTGTGCTATATCACAATAGCCGAGCTCGATCTACTG **GTGCTTGCAACTGTGGAA** GGAAACAAGCACCTCGAGATGATCCCTTTGATATCAAAGCAGCCAATTATGACTTCTATCAG CTTCTGGAAGAAAAGTGT TGTGGAAAATTGGATCATATCAATTTCCCAGTATTTGAACCAAGT >MPM2000-002P8_breast_Table1_644 ACTTCAGGGCTGTGAGGAAGGGGTGCCTGGAGTTCTGCAGGACGCGGTTCTCGGTGAGTG **TGTGGGCCACCTCGTCCTTG** GCCACGATGACTTCCTTCTGAGGATCTTCATGGCGTAGTAGCGGCCTGTGGCCTTCTCCTT CACCAGGATCACCTTGCC **GTGCCCGTTGACTCTGACA** CCTTTCGAGTCGCCAGTTTGCAAAGCCGCTCAACAAGCCAGGAATGCTGAGAAGGGCCGC TTGATTGATTTCAGCTGCA GAAGGCCCCAAACTCAAGCTCTTCTTCTGTTGAGCATTTTTGGCAAGAAGCGTGTGCTTGTC ATCATTCCCTGTATCCAT CTCTGAAAAGGTGACAGCCAGAATCCGGCAGAAATTAGCGAGCTGCTGCTGATCGAAATTG GATACTAAGGAACTC >MPM2000-002P8_breast_Table1 645

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CAGCAGCAACGCGGAGGAAACGGGAGTGAACGGAGAGCGTAGTGACCATCATGAGCCTCC **TCAACAAGCCCAAGAGTGAG** ATGACCCCAGAGGAGCTGCAGAAGCGAGAGGAGGAATTTAACACCGGTCCACTCTCTG **TGCTCACACAGTCAGTCAA** GAACAATACCCAAGTGCTCATCAACTGCCGCAACAATAAGAAACTCCTGGGCCGCGTGAAG **GCCTTCGATAGGCACTGCA** ACATGGTGCTGGAGAACGTGAAGGAGATGTGGACTGAGGTACCTGCCCGGGCGGCCGAGG TACCTGCAGAAGGCCTACAG GGTGCCAGGCACTTCTTTAATGTGTTCTTTCTTTATGTGATTATTTGATTAATCTCTGCCTCCC **CCACTAGACTGTAAGC** TCCCTGAAGGCAAGAATCCTGTGCTTATGCTCAATATTAGCTCTCCCTTGGCACAGAGTAGG CACTTAACAAATGCTCCC >MPM2000-002P8_breast_Table1_646 **GATCTCCTTTTGTGAAA** ACCAGTTTGATGTGCTAAAAGTAAAAAGTCTATTTTCCAGTGTGGTCTTGTTCAGAAGCAGCC **AGATTTCCAATGTTGTT GAGTTTACAAGCAGAGAC** TCACTCCAACCCAAACTAGCTGGGAGTTCAGAACCATGGTGGAATAAAGAAATGTGCATCTG GTCTCTTCTGTTGTTTTT ATTTCATATCAGATTAAATTTCTTTACCATGTTGGCTAAGTCTAAATATTAGAGATGAGGCTGT **GCCTACTCCCTGGCCA** GCTCTGCTGATAGCCTATGATGGGTTCCAATGGGAAATGACTCTTTACTATTAAAAGACAAG GAAAGCTCTGACTTCGTA CC >MPM2000-002P8_breast_Table1_647 **ACTGGGATTACAGGCGTGAGCCACCATGCCTGGCCAGAAATCTATGTTTTCTTAGAACATGT GGAAGAAGGAAAAAGACA** AAAAAGGAAGTCTGGATTCTGAGGACCACGTCTCACCCAGGGTGACATCAGGAATGGTGCT **AGCCTCTGCAACACGACAC CCAGTC** >MPM2000-002P8_breast_Table1_648 GTAGGGTGTTATCCCTGTGACATTGTCTCTTTAGTTTGCTCTTTCAAGAGATACTTACAGATG TTGAGATGGCTGCCCTG **GATAGCTTTCTGAAA** GTTCCCTATCCCTCTTTACCATAATTTTTTAAATGTAGCCACATTGTAATAGTAAACTTCATAT ATAATGAGTGCTTCAT ATTITTGTTATGGGAAAGCAATATATTATGCAGCCAGTCTGTAGAAACATTCAGATCCCTCTT **CCTTTACTCAAATACAG** TTTCAAAAGGAAGACTCATGAGAAATTTCATAAAATACAAGTTTTTAGATGTTTATGCTTTGCC TTC >MPM2000-002P8_breast_Table1_649 **ACTGCTATACATGCAAAACTCTTAGCACCTGAATTTGTAAACATTTACACGTATCCGTGTATT CCAGAATATGAAGAAAA** GGACCATGAAGTTGCACTCATTTTTCCTGGACCTCAGTCTATCTCAATAAAAGATATTTCTTTT CATCTGCAAAAAAGGA TTCAAAATAATGTTAGAGGCAAAAATGATGACCCTGACAAGCCATCTTTTAAACGCAAAAGAA CTGAAGAACAAGAGTTC **ACCTGGAACCAAACAAA** CAAAATATTCACTGATGAGCGACTTCAAGGGTTGTTACAAGTTGAGTTGAAAACAAGAAAAAAC TTGCTTTTGGCGCCATC

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AAAAAGGAAAGCCAGATACTTTCCTTTCTACAATTGAAGCCATTTACTACTTTCTGGTAGACT **ACCATACTGGTTTATTA AAAGAGAA** >MPM2000-002P8_breast_Table1_650 ACCTGAGGGGCTGCTGGACAGAGCGGTAGCGATCAATGCACAGGATGAAGACACTGAAAAT **GGACGCTGTGCTGGCCACA** TAGTCCATGGAAAGCCAAAAGAGGCAGAGAGGACGGCCCAGTGACCATTTG >MPM2000-002P8_breast_Table1_651 ATTTTATCACCACATTAC TAAAGGCCTGTTTGCAGCAGTTCCTCTTAACTTGTGTGTCATGTCCAGTAATCAAGAAAAAA TTACAAGACATATTAAA GGCAAGAAAAAACAGTTTGACGAGAAAGAGCAAGTATCAGAACCAGAGTCAGATATGGCAG **GGATGTTAGAATTATACAC AGTCCATCATCACATCA** GCAGGCTAAAGAAGAAAATCATGATCATAGCAGTAGATGCAGAAAAAGCATTTGACAAAAT CTAACACCCACTTATGAT CTCAGCAAACTAGGAAGAGGGGGAACATCCTCAACTTGATAAAGAATATCTACAAAAACAC CTATAGCTAACATCACAC **TTGATGAAAAAC** >MPM2000-002P8_breast_Table1_652 ACTTTTAGTAGAGACAGGGTTTTACCGTGTTAGCCAGGATAGTCTCGATCTCCTGACCTCGT GAGCCGCCTGCCTCGGCC TCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGTGCCTGGCCACGTCCCTATTTTAGAA **ATGAGAGGAGTGACTGCAC** ATAGGAAAAATGCCACTTTTAGCAATTCAAAGTGGAAAAACTTCTTTTATATAAAAATTATCCC **AACTCCCACCCCTTGG** CTCTCAGTGTTGCATCTCCCACAGAGGTAAAGTTGTGCCATTTTCCCACGGCTTTAAACAAA **GCAAAACAAAACCACCAA** TCCTAATAACCCCCCTCCCTGCCCCGTCTCCACGCTGTGCGGAGAGGGCTCTAGCCCCTCA **GTCGGACTTTTCCTTCTCC** TTCATGTGCAAGAAGACGATGCTGAAGATG >MPM2000-002P8_breast_Table1_653 ACAGAGTTACAGAGCATAATTTTAAACACTTAGTTGCAGGTATATAAGTATGGTATGTTTCAT **GGACTGGAGACTTTGCC** TGTTCATTTTTAAATATTATTTTCAGGTCCTTTGCTTACCAAAGGAGGCCCAATTTCACTCAA **ATGTTTTGAGAACTGT AAAGAATTAAATATCAA ACATATAAAAA** >MPM2000-002P8 breast Table1 654 ACCCGAGACTGGGAAGAAAAAGAGGTTTACTTGGACTTACAGTTCCACATGGCTGGGGAGG **CCTCAGAATCATGGCGGGA** GGTGAAAGGCACTTCTTACATGGCAGCAAGAGAAAATGAGGAAGAAGCAAAAGTGGAAACC **CCTGATAAGCCATCAGATC** TTGTGAAACTTATTCACTATCACAAGAATAGCATGGGAAAGACTGGCCCCCATGATTCAATTA **CCTACCCTTGGGTCTCT** CCAAACCATATCATTCTA CCCCTGGCCCCTCCAAATCTCATGTCCTCACTATTCAAAACCAATCATGCCTTTCTAACAGTC CCCCAAAGTCTTAACTC TTTTCAGCATTAACGC >MPM2000-002P8_breast_Table1_655 ACAGGAGCTTGAÄGCCGAAAAGGGTGAGGATCACTTCTACAGAGAAGGAGCCTCGGTCCAC **AAAGTCACCATTAAATATA**

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TAGGGGTTGGTCTCCGAGGGTAAACCGTTGAGCTCGAATATGTTGAGGAGGTCATAGAACT **GGCCATGGGTGTCCCCACA** TACTGTAATCTTCTGTCTCTTTTGAGTGTGGTTTCCACGAGCGTGCTCAGCTTGGAGAGGA **CCTCTTTGACCTGTACTG** AGTTTTATTATCTCCAATAATAATGGTCTGGAACTCAGGAGGATCATAGTAAAACCTCCAGTG **AAGGTTAAAATTCAGGC** CTGTTGATTTTTCTTCGTTTTATGTTTTCCAGCAAGGATATCATAAGGACCAACTAATTGAAG **TCCAAGGCTTGCAGAA** AGTGAATCAGATGGCTTTTCAGGATCAAGTTCTTCACAGAACTTTCAAAAGTGATAGAAA >MPM2000-002P8_breast_Table1_656 ACTCTCCCACTGGAACTCTGGGGCCCACTGAGGCACCATTATTGGGGATTTCAGGGTGGCT **GGGCACTGCAAACTGCTCC** CTCCTCTGTGGTCCCTGAAAGAGCCCCACACGCCTGCTTCAGACGTGTCCACGCACACCAG **TCCTCACAGA** >MPM2000-002P8_breast_Table1_657 ACAGAACTGGGAAACAACACTTGGTTAGTCTCTTTTAAGTTACAAAAAGCCAATTGATGTTTC TTATTCTTTTTAAATTT TAAATATTTTGTTATAAATACTCACAGGATACCTTATTTCCCTAGCTATCATCTCCTGACTTAA TGTTTTTTAAACCCAC **GGGCAGGTACTCTCTT** GTGTGTTGTCTGCTGCTTT TTTTTTTTCTTCTTCTGGTTCAATTGGCAGCTTTGTTTCCTAAAGTGGAATGAACTGAAGATA CAATCCTAATAGAAGA TAAATACCCATAAGCTGAAAAAAGAGA >MPM2000-002P8_breast_Table1_658 TTTTTTTTTTTTCTCTGAGTCCTCTGACGTCCTGCCCAAGAGAACAGCTGCGGCAGCCCCTGCCA GCCTACCCCTGCTGCGCT GCCCAGAGCCTGAGAAGGAGGCCGCTATGCAG >MPM2000-002P8_breast_Table1_659 TTTTTTTTTTTTTTTTTTTTTTACAGGAGGAAAAAAATTTAATAATATATTTTCC **ACAGGAGTTCCAC** GAAATATGAGACTCCAAGAAGGGTCAGATGATTGACACTCATACACCATCGTGAGCTATCGA **AAAGAACGGCAGTTTGGG AGTTCTGCAGGGAGTTGACCACAAAAGTGGGAGAGTGAAGGGAAGAAGTGTGTCGTGAATA AAGCTTGGCTGGTTTTCAG** ATAAAAGGTCTTGCGAGTGGCCAGGTGTGGTGGCTCACTCTGTCACGTCCCAACACTTTG **GGAGGCCAAGGCGGGCGGC** TCATGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATAGTGAAACCCCGTCTTTACTAAAA **ATGCAAAAAATTAGCTGG** GCATGGTGGCAGGCACTGTAATCCCAGCTTCTTGGGAGGC >MPM2000-002P8_breast_Table1_660 ACTGTCTGGGCTGGGGGGGCCCCTGTCCAAGGGAGTGGCCCCTATGAGTTTATATTTTAAC CACTGCTTCAAATCTCGAT **AAGCAACTGGGTCAT** TAAAACCAGCTCAAAGGGGGTTTAAAAAAAAAAAACCAGCCCATCCTTTGAGGCTGATTTTTC TTTTTTTAAGTTCTAT TTTAAAAGCTATCAAACAGCGACATAGCCATACATCTGACTGCCTGACATGGACTCCTGCCC **ACTTGGGGGAAACCTTAT ACCCAGAGGAAAATACACACCTGGGGAGG** >MPM2000-002P8_breast_Table1_661 TTTTCATTATTCA

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TACAAATAATTTTCTATAATATCCCGGGGCAAACCGGAAAATTTGGCAGTCCGATTGGGGGG **GGGTCCCTTAAAAGACCC** ACAGGCCGGTGGCATTGGCGCGGAGTGCCCAGGTTCACAGGGCAACTTGGGGCTCGTGTC CATTITGCAGGGGGCTTTTC CTCCACATAACAACTGGGGTCTCAAAAAGGACGGGGGTAGAAAATCCTCCAGGATCTTAGG **AAATTTCACT** >MPM2000-002P8 breast Table1_662 **ATTACTCAATGACATT** TTTCTGCCTTCATTTCTAAGAGTTCATCTGATCCAAGGTCTGATCATCTTCTTGACAGAAAAA CTTGTTTTGACAGCACA ACTITAAAAAGAATCAA TTGCAATCAAGAAGTGTTGATGAACATTTGGACAAATGTAACTGCCCCNGGGCGGCCGCCC **GGGCAGGTACAGCAAGTTT** TCATGTCTTTTTTAATAAATAGATTTCTAGGAGTCAGTATATATTTAATACTCTTCCTTA >MPM2000-002P8_breast_Table1_663 **ACTCAAATITAAAATA** >MPM2000-002P8_breast_Table1_664 ACTTTCAGTTTCATATTACTCTAAATCCATTACAAATCTGCTTAGCTTCTAAATATTTCATCAAT GAGGAAATCCCAGCC CTACAACTTCGGAACAGTGAAATATTAGTCCAGGGATCCAGTGAGAGACACAGAAGTGCTAG **AAGCCAGTGCTCGTGAAC** TAAGGAGAAAAAGAACAGACAAGGGAACAGTCTGGACATGGCATCAGAGATCCACATGACA **GGCCCAATGTGCCTCATTG** AGAACACTAATGGGCGACTGATGGCGAATCCAGAAGCTCTGAAGATCCTTTCTGCCATTACA CAGCTATGGTGGGTGGTG **AAAAGGGC** >MPM2000-002P8_breast_Table1_665 ACACGTGGATGGGCAGTCGGTCTTCTCTGGGCAGTTGTTGTTTCTCTCGGTAGTGTCCGG **CGAGATGACCTCCTGCTGC** TGGGCCTGGATGCCCCCAGGATTCCCCAGAGCAGGAGCACGGAGCAGGTGCCCTGGAG CATCTTGGCAGCACCTGTGGC **CCTGAAGTCCTGGTCCCGAGGAGGC** >MPM2000-002P8_breast_Table1_666 TTTTTTTTTTTTTGGCAGTGAGGACTTTATTGGGGAGGGTGACTTTGGCTTCCAGAAAA GAGGGAAGGTGGGGACC TAGTAACAATAACCATTTATTCCAAGGAGGCCCTGGCCCTGAACCCGGGGTTCCCACAGGA **ATCAGGGAGGCACCTGAGT** CCCCAGGACCAGGCATCCCAAGGCATCATGGCAGCTGCGTTGTTCAAAAGGAAGTTTCA TTGAGCTTCATCTTGGGAG

GGCCAACAGGAAGGTGTTGCTGGAGGCTGAGTGGAGGCTGTGA
>MPM2000-002P8_breast_Table1_667
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GAGGTCTGGCCCACTCCGCAC

GGGGCTTGGGCTCCCACGGT

CTTCCTCCTCGTCCTGCCGCAGGGCCAGAACCCCTGACGGTATTCAGCTGCGCGTAAGTCTGGCCGTGCCATCTGTCTC

CAGTTCCTGGCAGCGTTCCACAAAGCTGCCCCCACCACGGCGCCCGGGCCTCAGCCTGCGG

CGCAATGCCCCCAAGAAACAGGCTCAGGCCGGGGGCAGCAAAAAGGCGAAGCAAAAAAA GAAGGAGAAGATTATCGAAG

ACAAAACTTTCGGTTTGAAGAATAAGAAAGGAGCAAAGCAACAGAAGTTTATCAAGGCTGTC ACACATCAAGTTAAATTT

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GGTCAACAAATCCACGTCAGGTAGCACAGAGTGAAGCTGAAAAGAAATTGAAGAAGGATG ACAAGAAGAAGAATTGCA GGAGCTAAATGAGCTGTTCAAACCTGTAGTTGCTGCTCAAAAAATAAGTAAAGGTGCAGATC **CCAAGTCTGTAGTATGTG** CATTCTTCAAG >MPM2000-002P8_breast_Table1_668 ACCCCTGTTGGTATCTAGGAAGTAACTAGCTTGCTTTTGATTTTACAGGCTCATAGGTGGAA **GGGACTTGCCTTGTCTCA** GATGAGACTTTGGACTGTGGATTTTTGCGTTAATGCTGAAAAGAGTTAAGACTTTGGGGGAC **TGTTAGGAAGGCATGATT** GGTTTTGAATAGTGAGGACATGAGATTTGGAGGGGCCAGGGGTAGAATGATATGGTTTGGC TATGTCCCCACCCAAATCT CAACTTGAAATTGTATCTACCAGAATTCCCACGTGTTGTGGGAGAGCCCAAGGGGAGGTAA TTGAATCATGGGGGCCAG TCTTTCCCATGCTATTCTTGTGATAGTGAATAAGTTTCACAAGATCTGATGGCTTATCAGGGG TTTCCACTTTTGCTTCT TCCTCATTTTCTCTTGCT >MPM2000-002P8_breast_Table1_669 ACCTTTTGGGAATCTAATGTATTGTAAGGTATTTTACACGTGTCCTGATTTTGCCACAACCTG **GATATTGAAGCTATCCA** ΑΑΑΑΑΑΑΑΑΑΑΑΑΑ AAAAAAAAAAAAAAAAAAAAAAAAAACCTTGCCCGGGGGCCGAGGTACAAGGAGCTAAG **GGGCCCATGGAACAGGGT** TGAAATCAGCCCAAAAACCCGATTTTGGTCAAGGGGAATCTAAAGCTGGCCAAGGGTTTAA TCCCCCATTTT >MPM2000-002P8_breast_Table1_670 ACAAACTGGATCTATAGATATTTTGAACTGGACCAGGTGGGTATTGAAGTAACCCATCAAAAT **ATGCTCTGCAGTGATTC** TTTTTTTTTTT TAATTAATTAAT TTTTGAAAACCCACCTTTTTATTTTTCCGGGTTTTTTTTATTTGCAAACTTCTTTAAAAACTTTT CCAAATGTTCACATT TTTAGGGCTAACCTTTTTTTAAAAGTTTTTTGGTTCCAAATGTTTTTATAAGGGGGTTTTTAAA AAAGGTTAAAGCCCTT TTTCCCTTTTAAAAATTTTTTT >MPM2000-002P8_breast_Table1_671 ACTGGCCTGCACCAGAAGATGTCTGCATTACTCATTGCTAAAAATGTGTAGCACAGAACTGC ACTAGGATTAATTTGTTT ACAAGAAGAAATTTAAACTCTACGTTTGGTTTTCACATACAGCAGCTCTATTGAATAACATGC **ATCTGAATTTTAAGTTG** TTTAAAGCTTTTTAAA AGACTTCAGTTCTTAATGTAACTGTACAAAATTAGTTGTAAAAAAATAACATAATTTACCAGTAA **ACCCACTCATATAGAA** ATGTGCAAAGCCTTTTGATAAAAAAGTTTTGT >MPM2000-002P8_breast_Table1_672 ACTGAAGCCAGCCACGCCCGGCCCTGCCCCGGGCCTTCCTCGTGCCTGGGAGGTC **GTTCTAGGGATGCTCCTGAC** CTCCGTCTCTTGGACCTAAGATGGAATGTGTCCCCAGCTCAGGGATTGCCTGAACCAAGAG GCCAGGAGCCCCCATGGGC CGCCCAGTACCTGCCCGGGCGGCCGGCCAGGTACAAAGTGCTGCAGTAGCCGGTG AGCAAACTCATGTGTGGCTCC

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ATCTCGGCTCCCTGTTCTTCCTCAGGAATCCACACAGCTTCCCAAAGCACTGTTGATGCAGG AAATCTAACCTGCCTATT

CAGCCCATCCCTCTAACCACATC

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ACAATAAATCCTACAGGAATAATAACAACAGAAACATATTAACAGTTTCCTTTGGCAAATTTAACGGAAGTGAATGCTGA

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TTTAGACTGATGAAAGAAATGTCTGAGGCCATTAAATGCAAAAAAGAAATACATTCTCTTTAA
ATTATTGTGT

>MPM2000-002P8_breast_Table1_674

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GATATTTTCTCCTAGATTTTCTCATGTTATGCCATGCATTTATATATCTAACCATTAATTTCACACCTAAGGATGCTTCACC

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TTTAAAAAAAAGGATG

CTGTTGGATTGGGAAAAAAAAGTCAAAAAAGAACCCAGATTCAATATAAAAATGTCCCAC AATAGGTCGACAATGGC

AGTAAAAATAAGAGGAAAAAAGTAATCTTTCTGGAACATCATTTTTCAATAACATAGAAACACT AAGTGCCAGGAAGATT

CCTATTCATGTAATTTTAGCA

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ACTITITITITITGTTAACTITATTTTTAATTCATGACACTITCACTGATCATTAGGATGGCAGGGTATCGCTAAGAAC

CAGGATTATAAAGATGAACAGGCCTCAGGTCTGTCTTTAACAAGCTTATAATCTATGGTAAGA GGCAAGGCATTTAATCT

CCTTTGCTTCTACGATAATGGCTCACATATGTTTGCTCTGCTCTAAGAAAAATGCATCAGAAG CACCTTAGGTTTGGCAG

GTAGGGGCTCTGATGTTAACAGGATTGGGTAGAGAAGCTCTTGATGCTTCTGGAAACCCCAT GAGAGTTT

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TGCCATTCCAAGATACGCCAGCATGGCTGACAATGCATTATAAAGGACA

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ATCCTGGACAGAATCTCTTGGGGAACTAAAATGCTACCAATGAAAAGCTCTTGATACTCCTAC
ATCATGAATATTATTGA

GCTCTAAAACTTGAACTGGTCGTGTCAGGAGAACCTTTAACTGCTCATGGCAGTTCTTGTGG ACTGAGAGGAAGT

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AAGGTATGTAAATTACATCTCAGTAAAGCTGAAAAACTGCTTTGGCTAAAGTGGCTATCCCTCCATGGTGCTGGGT

>MPM2000-002P8_breast_Table1_680

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TAGNAACTAGTGGGGATCCCCCCGGGGCCTGGCCAGGGAAATTTCCGGATTATTNCAAAAG **GCCTTTTAATTCCGGAATA** CCCGGTCCGGACCCTTCCGGAGGGGGGGGGGGGGCCCCCGGGGTAACCCCCAAGCCTTTT TTTGGTTTCCCCCTTTTTAAG TTGGAGGGGGTTTNA >MPM2000-002P8_breast_Table1_681 ACAAACTATTTCATTATCAGCAAAAATTAACATCGACTGGACCGAGAAATGACTCCTTTTTAC **AAACGGGGAAAGAAACG** GAGACTCCTGGAGGAAAGCTGCTTCTGCTGGACATGTTCTCCCGCGT >MPM2000-002P8_breast_Table1_682 ACTACTCAGAGAATTTCATTGCTACTGCCTGTTCGTTAACCTAGCAAGTGAGTAAATTGAGGC TTTAATTAAAAAAAAAAC GGTTGTTGTTCTTTGATATACATTTTGACATAGCTCAAGCTTCAACCCTGCCCAGTTCCTATG **CTCAGACCCCATCTTCA** AGGATGCTCCTCCTGCCTAACTCCTATCTCAGAATATTGTTTTTCCTTTCCCGTTTAATCCC CAGGCTCAGCTCCTGGG ACCAATCCTGGTTCAGGCTCCTGTTGCCTGCCTCATCCCACAGCCGTCCATAATTTGGTGGT **TACGTCATGCACCTGAAG TGGTAGTGAGCATTTATAGTAATAAAAA** >MPM2000-002P8_breast_Table1_683 ACATTTTGAACAATCTACTCTTCAAGTGGATCATTTACAAAACAAGAACATAATTCCCTGAATC **AGTAAATTTTATTTC** ATGAAAGGATGACAAAGAAATTCCATTTACACTATCACGATTTACATTTTCCTACAATTCATGC **AGCTTTCTTCAATTCA** CAATCTACAAACCACAACAATGCACAAATTTGATGTTAGAGGATACTTTAATGTTTAGTTCTCA TCTCAACAGTCACTGT TGCTAGTGTCTCATTCTCACTCTTCACTGTTACTTAAAGAACAAAGAACTAAAGAAGCCAG **AAAGAACTAGATCAAGC** GATGAGACCAATTTTCAGGGTAAGGCATAATAA >MPM2000-002P8_breast_Table1_684 **ACTACTGGCACTGAGCCAATGTATGCTATCAAGGAAAGCTTTATCTGTCACTGAGCAAAAGG TGAAGTTCAATTAGGTCA** GTTTTATCACTTCTTTTCCTACACACACACTATGAGGAGAGATCATTTCTTTTCTTTTATT TATTTATTTTTTTG AGACAGGGTCCCACTCTGTCGCCCAGGTTAGAGT >MPM2000-002P8 breast_Table1_685 ACCTCCTGCCTTGAGTGATTTAAAGCATTTTAAGATATGCTTTGCTGCCTCTAGATATTTCTCT **GGTTAGATCCCCACAA** AGATACTGTAACATTAAGTTCTGGGACCATTTGAGAACAAACTAGCTGCTCACAGATTCCTGA **AAGAAATGCAAAACCTT** TTCTCTGGCCCCAAGT >MPM2000-002P8_breast_Table1_686 **ACTCTTTTCAAAATGCCATATTTTGAAATTGCTATTTGCTATTATATGATGCTGTGTCCTTGA GAAAGAGAATACATGG ATCTGGCAACCAGGAGTGTGTGTAGGTAGAACTGGCTTCTCATCATATACCCCAGGGATC** CAATGGGAAATGTTTTCT TCCTGTCCTTTTAACTTCAGGTTTTTTTTTCGGGGGGGTGGGGGTAGCGGTAGGGGGTTAGTG **AGGATCTTCTAGCAGAGA** ATACCTTACAAGGATACCACTAAATCTAAAGCTCCAACTACCTCCTGGTCACTTCGGGCTCCT **CCTGACACTAGTCCAGC AGGCAAAAAGGTTACTGAACTGGCAGGGGTAATTGCCA** >MPM2000-002P8_breast_Table1_687 AACCCACGGGGGGGGCGCCGGGCAGGNACTNCTTGCNNGGGATTAAAAACCCGAC **AGCAGCAAACNGCAGAANCN** NCAGACNGCAGGNTTGCNGANGGNGAGAGGGAACNCCCGCCCNAAACCCACNGCCACNG

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AACCNGGCNGGGANACCAGNG

Table 5

GCCCNGGNGGANGCACCANAGATGTTTGAGCCNGGNTNNCTGGCCAGGGGGNGGCCGCC ACCNNANNN

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ACGCGGGGGGATTCAGAGTGAGAAGGCATAAAGGAGAATCCCCAGCTGACTTGTGCAGTG

CAAGAGATGATGGTGTCTTGGACCAGGGGATGAGGAAGGCTACAAAATGTGTCTACCTGTA

TCCCTGGTTTTAGATACTGTGAAGATGGATCAGGAGAGAGTTTATCTAGACTGTTGGGGAAA GGTGTTGCGATTCCTTCA

GCTACACAGGATTGAAAGGAGACATTTCTGAAGGGAAAAAGGAAATGAAAA

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ACTGCAAACTAATATTAGTAATAATTTGTTGATATCAGCTTGTGAGCTTTAAAAAAGCCTGGTCAAACAAGTTTTATGTAT

GAGCTTTCTGTTGTAATTTTGCTCTTAGTGAGTAGTAGGT

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ACCACTTGTGATGTTTTAATAAATTCTGTGTGGTTTTTACATAGCCCTGAGAGGTAAGCAAT GAGTCAGGAGTTTCCTC

CAAGCACCTGTTAAGTGGCATCATATAAATAGCAATGTCAGGAAATCAGGT

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ACTGGAATGAAAATACAGGTAAAGCATTTGAAAATTATTTTTCTGGCTTAGACTGTTTACTGG CTCGATTCTAGCTCTGT

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GAATTTCCATCGGTTTGCTGAGAAGCACAACTTTGCAAAACCCAATGACAGCCGTGCTCTCC AGCTGATGACCAAATGTG

CGCAGACTGTGATGGAAGAACTAGAGGATATTGTGATCGCGTATGGACAGAGTGATGAGT > MPM2000-002P8_breast_Table1_693

ACCATAAGAACATTAAAAGCTGAAATTCAGGTTGGTCTGCAGCCTGGGCAAGGGGAACAGC TCCTGGCCTCTGAGCCCAG

CTGGTGGACCACTGGAAAATATGGAATATTTCAGT

>MPM2000-002P8_breast_Table1_694

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GCTTGAAAAATAACTTCTTTGAGTTTCAAAGCAAATGAAAACATAAAACAAGCAAAAAAGGCT TTTTTGTTGTTGTTTTT

CTCTGCATATCTAGGGTTTGTTTCTTCATTCATAAATACGGTTTTCAAAAAGCATTGCCTCAGCCAAAATTATTGCCCTT

TTTAAAAATGCTTTTCATGTATACACTTTCTACATAACTGCTTTTCTTACACCTTTTTTCTACA

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ACATGAAGGCCCCCAGTTCCCCCATGCTAGACACGTCCCCAGAAGCAGCACCTAATGGGCAACACTGCGGAATCATTTTC

CACCCAGATCAGGGCATCCCACGGACACTTATTCCAGAAAACTGAAGCTGGGCCACAAAG
AAGGCTCCCATCCTTGCTG

CTATTTGCCCTGGACCACTTCAAAATGTGACACATCGGGCTGCAGTGAGCTGAGATCGTGCCACTGT

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AAGGTATGTAAATTACATCTCAGTAAAGCTGAAAAACTGCTTTGGCTAAAGTGGCTATCCCTCCATGGTGCTGGG

>MPM2000-002P8_breast_Table1_697

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Table 5

ACAGTGAACACGCCTGTAAAACTATCACTCATATGAAAGAGAGGACAATATCGGCGCAGAAT ACATACTAGCAGATACTG CTTTTTTACTGTGATTTGGAAACTTTTGGTATTCAAGTAACCACTAAGGAATATAACTCTAACA **TGGACAAGGCTTAGAT GCATCATGAAAGTCTGTCATGGGAAAGGTCTGTGGACAGAGGATGT** >MPM2000-002P8_breast_Table1_698 ACAAGGCAGCAGAAGCAACAAAGGCTGTGGCCAGCAACGAAGGCAGAGTCCCCGGTAGGC **GGAGGTCCCCGTGCACAGTG** TGGTGCAGCAGTGAACCCAAGATTTTCCTTCACAGGGCAGGGGAACTATTTCCTAATAAGCA TTGGCATTCAGGCCACAA GGGCAGCCATTACTCAGCACTGCACTGACCTTGGGAATTTGCTGGGCAAGGAAAATGACGT GGCCCTCATCATCGATGGC CACACCCTGAAGT >MPM2000-002P8_breast_Table1_699 **AAAGAAATGATCTCTCCT** CATAGTTTGTGTGTAGGAAAAGAAGTGATAAAACTGACCTAATTGAACTTCACCTTTTGCTCA **GTGACAGATAAAGCTTT** CCTTGATAGCATACATTGGCTCAGTGCCAGCAGT >MPM2000-002P8_breast_Table1_700 ACCTCTGAAAAGCCTAGTGCACTCCAGAAGGCAGGTGGAAGGTGTTGTTTGAAGTGAACCC TATTITATTTTTCTCAAGA AATTCTTGAGCCGATTCTGTGACATGAACATCTAAACAGAGTAACCAGATTCCAACTGCATGA **CTCGAATAGGTTTACAC** ,ATTTTTCTTCTGTCCCGCCTTTCAAACAAAATGGTAAATAACTTCATTTCCAGGCCAGTTTAGC ATTCCCATTTTTTACC CTGATGAGTCCCATTTTAATGAGCAATTTGCTTTATCCAGTAGTGCATTAGTGAAGTGTTTCC TGATTTTATGCGGCAAG **TGTTTATG** >MPM2000-002P8 breast_Table1_701 ACGCTTCTAAAAATGAGTGAACATGGTGACTTACCAAAGTGTGATTTGAGTTTCCTGGACCCT **CTGCATGAAATGTGAAC** TCAAATGATAAACGTAT GCATAGTGATGAAACGGTCTTTTAAGTTTTAGGTGTGCATGTTTGCTTTTTTCCTGAACCTGA TTCAAATAGTTGTAATT **TGT** >MPM2000-002P8_breast_Table1_702 **GCGGAGCAGGTTTTCTGTAG** CATGTGGAGGAGGGTAGGAGGTGGCATGTGATGACCTCGTGCTCCAAGAATAGTGCTCAGT >MPM2000-002P8_breast_Table1_703 ACATCCTACTCCAAACAGCCTAACAAAGAGTCAATCAAAGGAGTTCTTTGACCTGCTACTTGA **TTTGAGAGTTCCTAAGC** AGTTTTCGTGTGTGGTTCTAGAATACCCAGAATGCTGATTTTGGTAGGAGGCTGTGGATATG >MPM2000-002P8_breast_Table1_704 CGGTGGCGGCCGAGGTACGTGACAAATGTCATCTAATAACCCTGGGAGGGCTGGGTCCAC CAGGCTGTCCCAGTATCCAC CACCCTCTTCCTATCCTCAGGGTGCAAAGGCCAATTCACTCCCTCTCCCGTTTCCTTTCATTC TTTCAGTGTTGCTGTAT TATGTAGT >MPM2000-002P8_breast_Table1_705 TTGGAGCCTCCCGCGGTGGCGGCCGAGGTACGATGCAAACCAGCAAGCCAGGAAGCACC

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TCCTTCCCGTCACCACAGCA

Table 5

GGCCTGAGCAGCAAGGAGCGTCACCGGAGCCCACTGGAGAAGCCCCACAACGGCCTCCTC TTCCCCCAGCACGGGGACTA **TCAGT** >MPM2000-002P8_breast_Table1_706 ACCCTCCAGGCCCTGTGTATTATTAAGATCTTTTAGTAGCGAGTTGCTCTTTCTCTGGGAAAT **CGGCTGTTAAAGTCAGA** GGGAGCTCTTAATAGTTTGCATGGTATTTGATTAAATGGAACAGTTGGATCAGT >MPM2000-002P8_breast_Table1_707 ACGCGCTCTCCTTCGAAGTCCGGAGGAGTTTCCTGGATTTGGCACTCTCGTGCAAAGCGGT CATATGCTGCAGAGTGTCT CCTCTGCAGAAGTCTGAGATAGTGGATGTGGTGAAGAGCGGGTGAAGGCCATCACCCTCG CCATCGGAGACGGCGCCAA CAGGCCACCAACACTCGG ATTACGCCATCGCACAGTTTTTCCTACTT >MPM2000-002P8_breast_Table1_708 ACATCTCTAGCTGATGATTCAAAAAAGAAACCTTTTAATCTCACTCCACTGATCAGCTATGAT **ACTTAAATGTTTTAGCT** GTGAGCAAAATAATATGCATTCTCAAAGAGAGTATCTTCAGACTCCAGTGGCCGAGAATCTA GAGTTAGCAATGGAAAAA TTAGTCTCGGGCTTCTGTTTCTGCCCACAGTTTTCAAATTAAGAACAATGTGTTTGCACTTAA **TGAAACAACCTCTACTG** CTCTTCAAGAGGACTCAGGATACCGATTCTCGAGGCCCCTGGCGGTCCCCTGTAAGT >MPM2000-002P8 breast Table1 709 ACAGCATCGCTGGTGGTTTCAAAAAACGTAGTCATTCCTCTCACTGCAACAATGTAAGATAA **GCAGAGTAGATCTGTTAT** TTCCAAATTAAAGGTGATTAAGATATATGGAGAGAGAACATGGCATGTGAGGTTTATAGGGC TAGAAACTGCAGAACCAT **GTAGAACCCACATTTAACTACAGT** >MPM2000-002P8_breast_Table1_710 ACATTTGAGATGGTCTCACGTGAGACATCAATACGGCTTGCTGGGGGGGCACAGGTTTAGGG CAGATGAAACTCACAGGAG GGCGGGTCTGGGTTAACTGAGCTAAAGAGCTTTCAAGCCACTAGAGCAACAGAGCTGCCCA CAGTTGAGTCAGATTAACC TGGGAAGCCTCCAAGTAATGGCTACCAGCACCACATTCACAGATCTCAAAATTTATGAAACT **GATGAGAGGTTGGATTTG ATAACTAAGAGTCTACAAATCTACAGCAT** >MPM2000-002P8_breast_Table1_711 AAAANGGAGACTGAGATTATTAGAAACAAAAAGACTGTCTAGACCAGCATGGACAG >MPM2000-002P8_breast_Table1_712 ACTCAGGATCTGCAGAGGTTAGGCTGCTTGGCTCCCATCACATGAGGTTTGCTATTCAACCC **AGAAGGAGCTTTCAAACA** AGCCTAGATATTCCTGCCTGGCCTGCCCATTCTCCAAGAAGGCAAGTAGGCACAATAAAT **AGACTGGACGGTAACAGT** >MPM2000-002P8_breast_Table1_713 ACTCAGGATCTGCAGAGGCCAGGCTGCTTGGCTCCCATCACAGGAGGTTTGCTAGGCAACC CAGAAGGAGCTTTCAAACA **AGCCTAGATATTCCTGCCTGGCCTGCCATTCTCCAAGAAGGCAAGTAGGCACAATAAAT AGAACTGGACGGTAACAG** >MPM2000-002P8_breast_Table1_714 GGCGGCCGCCGGCAGGTACTGTATGTATGTTGGTAAAATGTTGTGAAATTTAATGAGGACT **ATTITITGCCATAAGACC** TTCCGGACAGAATGTATCTCTGAAAAAGAATTCCCACTCCTAAAATAGAGGTCTGATGAGCA

> Page 121 (of 176 pages in Table 5)

ACAGATGTGGTTTAAATG

AACCCTTGTTCAACTGAACCAAGAATATATTGTGATCTGTATGAGGCACAATTCAGAAGAGAG GGGAGGTGGCTACAGCA CATAAGGCACAATGCA AATGAGCTTTTAATTAATACAATCTAATGTTCAGAGGATGGTCTTCATGCTTGTTATAAAACAA TTTACATTTTTATTTT GTAGTCTAAGAACGTGTCGAAAAGCATGTCAGTGAGTAGCCATAACCTTCAGAGTGATCT **ATGTCCTGGCTCTAAAAC** TAGGGGATCCCCCG >MPM2000-002P8_breast_Table1_715 TAAATTTTCCTGATGA GCCAACATTTTAAGGAAAAAATAAGAAAATTGTATCTTTGTGACCTGACATAAATACCCANN **AGGATAACTGCCATCCA** GCTCTTCTCACGGTGTGACTGAGCACAGTGGGTCCTCCCTTAGCTGAATTCTAAGAGTGAAG AATAGTTTATTGTTTGAA GCAGTGAGGAGAGCACTAGGGATATATTTCATAATACATGAAGAAAGGAGGGAAGACTAATG CAAGTTTGT >MPM2000-002P8_breast_Table1_716 AATAATATTTTTAAAGAA CTTTGTGACCTGACATA AATACCAAGATAACTGCCATCCAGGCTTCTCACGGTGTGACTGAGCACAGTGGGTCCTCCCT **TAGCTGAATTCTAAGAGT** GAAGAATAGTTTATTGTTTGAAGCAGTGAGGAGAGCACTAGGGATATATTTCATAATACATGA AGAAAGGAGGGAAGACT AATGCAAGTTTGT >MPM2000-002P8_breast_Table1_717 ACTTAATTTAATGTTTAATAATATTAAATATCTTTAATATTAACGAAGTGATCTTTTAAGAGATA TTGGTATTGCAAATG TTTACAAATAGTTTCTTAGTTGAATCAAGATTNTATGAGTGTAATGGGACTGGGTGATAGATA TGATAATTCATCATATT GCTCAGTTTATATTTGAAATTGTATATTAAACTTGAAAAGACACTTTAATTTGAATTACTATTTT **ATCTTTTAAATGTGG** TATTTCTCCTTAATTTACCCTAAGAAAACACTATAATTTTATCACAGT >MPM2000-002P8_breast_Table1_718 ACAGAGACTCCATCTCAAAAAAAAAAAGAAAGAAAGATAAAAAGATTATCATTGATCCCATTTT **ACAGTTGAGAAAACAAA** GACAGTTCAGTTCCTCACTGAAAGTCACACAGATTGTTAGCAGTCACACTGGGAACATAAGC **TGGGCACTCCTAGTTCAT** GATCCTAACCACTGTGCATTAATGCGGCACAGACATGAAATACTGATGAGACTATTCTTGAAA **AAAAATCACTCAAATAA** TCAAGTGTGTTAATTGGATTTGACTTTTTTCAGTACTCCGTCATACAGCAAAGTAAATCAAT **GGTTGTTTG** >MPM2000-002P8_breast_Table1_719 ACCCTTGGTTTCTACACAACTCACTGATTTATGGTCTTGAGACCATAAACTCATTTTCCTTATA TGAATGACATTTCCAC ATCCACAACAATACCACCAAATATATGTATCTAGTTCTTACTAACTGCAAATCCTCAAAGTGAA CTGCGTGCATTTTAAT GTTGCGTAGTTTGCTGATTTATGATTTCCCTTAATGT >MPM2000-002P8_breast_Table1_720 ACCCTTGGTTTCTCAGACAACTCACTGATTTATGGTCTTGAGACCATAAACTCATTTTCCTTAT **ATGAATGACATTTCCA** CATCCACAACAATACCACCAAATATATGTATCTAGTTCTTACTAACTGCAAATCCTCAAAGTG AACTGCGTGCATTTTAA

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Table 5

nnnnnnnnnnnnnnGTTTTAAAATTAGNGGTATCCCCCGGGNNTGNAGGGAATTTNNATATCAAT

CCCCCCCGGGG

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ACCCTTGGTTTCTCAGACACTCACTGATTTATGGTCTTGAGACCATAAACTCATTTTCCTTAT
ATGAATGACATTTCCA

CATCCACAACAATACCACCAAATATATGTATCTAGTTCTTACTAACTGCAAATCCTCAAAGTGAACTGCGTGCATTTTAA

TGTTGCGTAGTTTACTGATTTATGATTTCCCTTAATGT

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ACTCTTGTTTAACCATCAGAGGTTATCCCATCACCTTCACAGCCCCAGCCTCTGCTCCAGTCCCCCAGCGAAAAGGG

CCGCCCATGCCATCCTGCTTGCTGTGATTTGCTTTGTGGTCATGGACTCAGTGGACATCATT
ATTTTATTAACCGTGTGG

TAGGTTTTTAACTCAGTTATCCTGGATATCCAAAGGTTTGTGGTCCATCTTTAGGCTTCCGTTTGTTCTTTGGT

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ACTGCAGTTAGAGCTTCAATCTCCAGTGTGATGGTATTAGGGTTAGATCTTCAATCTCCAGTGTGATGGTATCAGGGTTA

GAGCTTCAGCCTCCAGTGTGATGGTATCAGGGTTAGAGCTTCAGCCTCCAGTGTGATGGTATCGGGGTTAGATCTTCAAT

CCCCAGTGGTGGTTAGAGCTTCAATCTCCAGTGTGATGGTATTGGGGTTAGAGCTTCAATCTCCAGTCTGATGGTGT

TTCGGGATGGGGCTTTTAAGATGTAATTAGGGTTTAAGATCATAAGGGACCTGGTCTGATGG GGATTAGTAGGCTTATAT

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ACTTTTTTTTTTTTTTCACGTGGTCCCAGCTTGAGTTTACTGAGCCTCCTCCAGGCTCAGAT ATGTGCTTGCCTGGAGA

AACTGCTTTCAAAGGCCAAGCAGCCTTGCCTTTGGAGGAGCTGCTTTTTGTAACTTACAATA GTGTTTCCCAGAGTGCAT

TCCATGAAAATATTAGTTCTTTCAACATGCTGAACAATGAAAGAATCCATGGTCAAATCCTGA GAACATATGTCCCTCTT

TTAGAGATTCATAAGGT

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ACAGAACTCCAAAAGAAAATCAGGCCTCATTGCCAAAGCTCAGGGATAAGTCTAAACAGAAA GGCATTTATACAGCAACA

TTGTCTTAGAAGAGAGCTATAACTGAGCCAAGCGTCTCTGTTNTGTCTCCTTCCACCCCCTC CTCTACAAGCTTTACATA

TGTTCTCT

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ACAGTTTTATATCAATATTTTATCAAGCAAAAAGTTGAAGCCAACACCCAAAGCTGCCAGATA TGGAGAACCCAGTGACA

ATTITGAATTAACCTGAGTGACCCTCTTTCTTTCAAAGTTGCTAAATTGTTTCACAATTGCTTCTGTGGGATGTAAATAA

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CAGAGTATATATGACCTTTTTAAAAAAAATTCTTTCTTTTCTGTGTTCTAAGCAACTGGAAACT AAAAACTGCCCTGGCC TATCATAAGGGAGAAGATGGGAGTCTTTTGCTGTCCATCTTGAATGTAATTCACATTGTCCAT **GAGTGCTGATCTAACCC** CATATGCCTCTGCCCGACTGCCTTTATGAAATATGGTAATTTAATGCTTAAACAACTGTTTCAT TTGTGT >MPM2000-002P8 breast_Table1_728 ACCAGATCAAAACCTGGGAACTTCGTATTTGTCCTTTTCTCTCTGCCAGGAATATCGTCCTCT CCATTTGCCCAATGAGC GAGCCAAGGAGCTTCTG CGGCGCCTGCACGCACCTTTACAGATGCAGGTGGCTGTTTCCTGTGTCAGACTGCAAGCT CCCCCGCGTACCTGCCCG **GGCGGCCGCTCGA** >MPM2000-002P8_breast_Table1_729 ACTCCACAAGCTTGCCTGCCATGGGCTGTCGGGATGTCCACGCAGCCACAGTCCTTTCCTT CCTGTGTGGAATCGCCTCA GTAGCAGGCCTCTTTGCAGGGACCCTGCTTCCCAACTGGAGAAAATTACGACTGATCCATTC **AACAGAAACGAGAAGAAC** CTGACTGTTTACACAGGCCTGTGGGTGAAATGTGCCCGGTATGACGGGAGCAGTGACTGCC **TGATGT** >MPM2000-002P8_breast_Table1_730 ACTGATCCAACTGTTCCATTTAATCAAATACCATGCAAACTATTAAGAGCTCCCTCTGACTTTA ACAGCCGATTTCCCAG AGAAAGGGCAACTCGCTACTAAAAGATCTTAATAATACACAGGGCCTGGAGAGT >MPM2000-002P8 breast Table1 731 TTGGAGCTCCACTCGCGGTGGCGGCCGAACTTTATAATCTTTTAACTAAATGTAATTGTCACC ATAATCTTATAGACAAA GCATTGAGGTTTATTGAGCTAATGCTGAAGGTAGTAAGTGGAGGAGCCAGGATGAGGTCAG AATCTGAGATTTTAACCAT GCCTATGCTGTCACTTCTTACACTTTAGAATACCTCCATGCTCATGTGGACACCTAGGAACAA ATGAATATTTCTATTCT TCTCCCAGAATTTCAAAACATTAAACATGTTAAACTGTATTTTTGTTTACCATAAGCCTTCCCA **GGAGGAACAAGCACTA** AACACAGTCTCTGGCTTAGGATTTGGATGAACATATTCAAAAGCCATCTGCTTCCCAGCAATT **ATAATCATACCCTTTCC** TTTG >MPM2000-002P8_breast_Table1_732 ACGCGGGGAGATCCCTCTTGTTGAGTAGCTGCAGAGACGGCAGATGGAAAATATGCTCAGA AGTTGTTTAATGACCTTTT TGAAGATTATTCCAATGCTCTTCGTCCAGTGGAAGATACAGATAAAGTCCTGAATGTGACCCT **GCAGATTACGCTCTCTC** AGATTAAGGATATGGATGAAAGAAACCAAATTCTGACTGCTTATTTGTGGATCCGCCAAATCT **GGCACGATGCCTATCTC ACGTGGGACCGAGATCAGT** >MPM2000-002P8 breast Table1 733 ACCCAAAGAAGTAAACTTAGCAACCTCATAATTCTAGGCACCTCTCTCAGGTAATCTCAGCTG **GCTTCTCTAACACCTCT** CTCAGATAGTCTCTGGAC AGGACCTGCGAGCAGACTTGCTCAGGGTCTAGAAAGTCTTCCCTGGACAAATTCCAGATCTC **TAGCTAGCTAAGACAACT GCAGCCATTTTCCTGT** >MPM2000-002P8_breast_Table1_734 **ACCITATACAAGATGCTATAAATATTTGTATGCATAATTCAACAGTAATCAGTGGTGTTTATCT AAACTAACTGATAATC**

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Table 5

TACAGATTGCAGTGCATTTATGATTTCAATGGAATTAATCTAATTCTCCACACTTAATTGTGAG **AATAGCTATAAACAGA** TTGTCAAGAGGAGCCTTTTAGTGCCAATGCTTTACTTGAGGAAAAAAATTTCTTTTGGGCAAA CCCATCTTTATTCATTG CAGAATACAACGATTCTCAAAAGTAGCTTAACAACCCCAACTCCGCTGGGTAAGTGTGGCGG CACACGCCTGTAATCCCA GCTACTTGGGAGGCTGAAGAGGGAAGGCTGCTTGGGGCCAGGAGTTTGAAACCAGCCTAG ACAACATAACAAGAGTCTGT CGCGAAAAAAAGCAAACAGGCTAACAAAAAATAA >MPM2000-002P8_breast_Table1_735 **AAAGAAATGATCTCTCCT** CATAGTTTGTGTGTAGGAAAAGAAGTGATAAAACTGACCTAATTGAACTTCACCTTTTGCTCA **GTGACAGATAAAGCTTT** CCTTGATAGCATACATTGGCTCAGTGCCAGTAGT >MPM2000-002P8_breast_Table1_736 ACCACCATCCTGTCATAATTCTTTTTTTGGCCAGGGGGAGACAGGGTCTCACTCTCTTGCC CAGCATAAAGTCCTTTTT AAAACTGTAAAATAGTTTATACATTTGAGCATTATTATTATAAGCTTTTGTTTCTTACCTCAGAA GAATATATTTTCAAA **TGATAGACTTCTGGGACTTTTGGT** >MPM2000-002P8_breast_Table1_737 **ACATCCCTCAAACATACCACCTGAGAGGGCATGATCACATACTTTGCTGATAGCTGACAAAG ACTGAAGATGACTGGTGG** AACCACGGCATAAAAATGAATCTATTCAAGACAGACACAGCTCTCATTTCAAAAATATCGCCT **ACCTTTCCATAGCCCCC** TTTACCAAGT >MPM2000-002P8_breast_Table1_738 ACCACCCATGTGGAGGAGACTGCAAGGAAGCTGTTATTCAAAGTAGAACAGTCAGCCTTGT **GCTTGAGTCCTGCTTTATG** CTTGCGTGTTTCATAACAAAACACAAAGGCAAGTCTTCATATCAGCACTTAGTCTTGATATCA AGTAGCTGACTACTGT >MPM2000-002P8_breast_Table1_739 ACTTGGAAAGAATTGACCCAGCTGAATTGGAAAATGTGGGAAGGGGATGGGGAAGAGGCTG **CTCCACCTGAGATCTGGCT** CCAGGACTTACAGCAAGGGGAACTTGGGCAAGTTACAGACTGTCTATGCCTCATTTTTTATC AGCAAAACAGAATCATCC **TAACAAACACATTCCAGG** CCCCACCTGAGCCCTCTGAATCAGAATCCCTGTAAGGAGGACGATGAACTTGAATTTGCACT GACTITCCCAGCTGTTTC TTACTCTGATCAACTTGGGGATAGGACCCATTGAGCTGCATCACATCATTCCAAAGCCAAAA CACAACAGCAGGACAAGA ATATTTTCAAGGCAGTCTCTAAAGCAAAGGAGAAACTGTTGAGGGAACCTAGAAGTAAGGAG **ATCTGGCTTGCTGGGCTC** CATTTGAACTTTGAGTACCT >MPM2000-002P8 breast Table1 740 CAAAATACCTACTGTT TTCACCACCCTAACAGATTAAAAGAAAAAGCCATATAATTACCTCAAAAGATGCACAGATGC **ACTTCTGGGGTTGGGGG** AAGGGGGAGGCACTGGGACACAGAGAAGGTGCTATTTCAATGNAAAACAAAGACTTGGGTT TTTTAAAATTTGGCCTTTA TTTTTAATTTTTAATTTTAAGAGACGAGGGTTCTTATTAGGGAAGTGCCCAGGCGTGGGGC TITICITIT

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Table 5

TCCACCGCGTGTCGCCCCCCCGCCAGCTACCCCCAGCTTCCTTTGGGAGACT **GTGCATCTCCTGGCTCCACT** AACTTTACCTTCTTCTGACCTTCCAGCCTAGAGATGATGATCTCTGCCAGCNCNNTAGATGG **GCCTCTGGGTTGTCTCCC** TATTCCTGTTGCTTGAGATTTCCCATTATGCTGTCACCAACTCCCCAGCCTAAGCCCTCTCTA TTTTAAATTCTCAAGTG GATTATGTTCCTGATTAGTCCCTGACTGATATACCACTCTCCTCATGATCTCTGATTAGTTTTC CTGTTAGGTTGTTGCA **GTAAAAAAAAAAAAAAAAAAAAAAAGGT** >MPM2000-002P8_breast_Table1_742 GAGGTACCTTCANNTGCTCTAAATCATTATGNATCTACNNTATCTGAAAAGTGTAAACCGACA **AATCTTGATCTATACAA AAGAAAATTTCAACAACAGAAATAGGNNCAGTTGAATTAGCATGNNAGGCACTTAACNNATTA AANNCCCAAGTCTTTCA ATGGCCACTTGGAGTCCAGGG** >MPM2000-002P8_breast_Table1_743 ACTGTATCTCCCACTAGGATGTCAACTCCGTGAAAGTAGGAACTTACTGGTCTTGTTCATGG **CCCTATTCCCAGCTCCTA AACCTGGCCAAGGTCTAA** GCATCACTTCAATGGATTCACCTGGAAATTGGCACCCCCCTCCCCGCGT >MPM2000-002P8_breast_Table1_744 ACTGTATCTCCCACTAGGATGTCAACTCCGTGAAAGTAGGAACTTACTGGTCTTGTTCATGG CCCTATTCCCAGCTCCTA AAAACCTGGCCAGAGGTC TAAGCATCACTTTCACATGGATTCAACCTGGACAATTGAGCACCCTCCTCCCCCCGCGTACC CTCGGCCCGCTCTAGAAA CTAGTGCGATCCCCCCGGGCCTGCAGNN >MPM2000-002P8 breast_Table1_745 ACAACCTGATTACCTGAAACAGCAGCATAGTCATGCAGAGGAGGATCAGCAGCAAGAAGGG **GTGAGCCATGAGTTCCTGA AGCCAGGAGGGCTCCATTCTTCTCAGAGGTCCTGAGCTCTGG** >MPM2000-002P8_breast_Table1_746 **ACCTCTCCCACACTCTTCCTGACAAAGCATCTGAGGGACTTTCTCTGCCAAAATGAGAGAGT AAACTTAAAAAGAAGACA** TGAGGTGAAGCAGCTGT >MPM2000-002P8_breast_Table1_747 ACCTTAGGCTCTCCAGGGAATGCCATCAGTTAAGGCAGCCTGTTCTGATGTCATGACTATAG **GGAATGTGATGCCTTATT** TGAATTAGGCGCTGTTTGTTCCACTCTTTATCTTTTTTCCTCCAGAACTGAGGCTAGTTGATC TTCCCTTGAAAGTTCAG TCCCCCTGAGTAGCTAAGCCCAATCCTGTCTGT >MPM2000-002P8_breast_Table1_748 **AAAGAAATGATCTCTCCT** CATAGTTTGTGTGTAGGAAAAGAAGTGATAAAACTGACCTAATTGAACTTCACCTTTTGCTCA **GTGACAGATAAAGCTTT** CCTTGATAGCATACATTGGCTCAGTGCCAGTAGT >MPM2000-002P8_breast_Table1_749 ACAGTAGTCAGCTACTTGGATATCAAGACTAAGTGCTGATATGAATACTTGCCTTTGTGTTTT **GTTATGAAACACGCAAG** CATAAAGCAGGACTCAAGCACAAGGCTGACTGTTCTACTTTGAATAACAGCTCCTTGCAGTC **TCCTCCACATGGGTGGT**

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Table 5

ACCCACCGTTCATCTGTAACATGGCTGTAATATATGGCACCTACTCGTTGCTGTTAGCATTGA AGGAGCCAACGTATGCA AGCCAATCACTTAACAAATGTCCATTGTTCTGCTTGTCATTCTTTGCTTATACTTCCTGACAAC AAGCAGAAACCTTAGA AGAGTGGTCTGTTCACTTTAGGGAAGGCTAAGTCAGCATTAGGTGTCTTCCATCTTAAAGCA CACAATACAGACTGGGTA GAGCAGCATCGTCACTGATCGCCACTCTAATAGCTCTCTGGCTAAGTTTCTCATGTCCTTTG CGGTGTTAACTACAAAAT GCATCGACCAGATTCTCCTCATAGTTTCTTCACAGGGCCAGAATGACACCAAAAGTATAGTA **TGCCCAGTGACCTGATAC** CAGAGAGCCAGAACAC >MPM2000-002P8_breast_Table1_751 CGCGGTGGCTTCCGCCCGGCGGTACTCGGGCCTAGAAATTATTTAATTTGGCGACTGATAC **GTCTCATGGTGAACTCGTT** TATCCTAAGGCACTCCCACTTATAGTAGGAGCTCAGCTGATCCACGCGGACAAGTTAGGTGA **GGTAGGGGCTGACATATT** CTGACTCACTCTTGGATCAATCCCTGACTTCAGGCCCTGCTGGGTCCTTCTTGGT >MPM2000-002P8_breast_Table1_752 **ATCATTGGTCTCAGCTAC** TAGAGTTGAAGATGATTCAGCCACTTTTATTCCAGCCACTCCATTTCTAGCATACACTACAGA GAAGTGTATATTTAAAG AGGCCATTTTCCTGCAGGATGTTTATAAATAGTTCCTGGCCCCCGCGTACCTGCCCGGGCG **GCCGCTCG** >MPM2000-002P8_breast_Table1_753 GCGAATTGGAGCTCCACCGGGTGGCGGCCGCCCGGGCAGGTACTGAAATACTTAAGAAATA CTTTTCACAAGTGTCAATA GTTTTATGTGTTATGGACTCATTGCAGAAGGCTGAGGAGCAGTAAAGGAGGGAAGGTTCAA GAAAGCCTTCAAAAAGGAA ATAACACTTACCAGAGCCCTGCTCACCAGTAAGAGCAAAAATTGTGCAACTTTGATATTTAAG **AAATGGAGGGTTACTGC** TAGTCGTAGTGGTGGTGAGTAATTCTATATGACTAAAGCATCAAACTCTAATAAGAGCATTAT AAAAAGAGGCTAGAAAA TTGGACAGGCAACATTCAACATATCTTATAATTAAAGATTTGGTAGTTTATGTTAGAGGTGATA GACACATAGGAGAGTT TTTAAATGTGGGGAAAAATGGTCAGACTTGACTTTTTAGAACAGTAATAAAGGAGTGCCAG **TATTTTTGGAAATCATTT ATGGGACCTTTTAAAGACTTCTGG** >MPM2000-002P8_breast_Table1_754 ACCACAGGGAAGAATACCTCAGTTATTCACCTTTTGTTTAAATGTTTTGGAATAACACAGACA CAGCAATTATGAAGTTT TTCTATGTTATATATCT GAGAGCAGGGTCTCTATTTTTGATACACTGACCATTGTTTCTCTGTAAAAAAATACAATTAATAC **TTCATCCTCTCCGTAA** CTCAGTTTTAGCTGAATACTATTTTTTAGTCCATTGTATATGGCAGACTTTATGTTAGGCACGA GGGACATAAAGATTCA TTCATTCCTTCACGCAGTAAAATATTGAGTTTGGAATCTCCTATGTTCGAGGCACTGAGTTCA **GTGCTGAAGGTTTAACA** ATGAGCAACACAGACACAGTTTTGCCTTCCTGCAGGGTACC

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ACTGTAATTITGGGGAGCAAGCTAACACATTTGACTTGCGGCTGAGCTCTTAACTAAGCAAT

GGGAAAAATTAAAGGTTCAGTAGTCAAATACTTTTGGAAATGCTGGGCCATTATGCACAGAG

TTTAAATTTGAACAGAGAACATCCAAATCTAATTCATCTTAGAATCCATTTGCTATGGAATGT

>MPM2000-002P8_breast_Table1_755

ACCTCAGTATGCTCCTTC

AAGCGCAGTAAGGAACAT

>MPM2000-002P8 breast_Table1_756 GCGCGGGGAAGCAATGACGTGGGGAGAGAGCGCTGAGGAAAGGGAGAGATCCAGAAAGGT **AGATTCTTCTGTGTAGGTGAG** TTTTCTCTGT >MPM2000-002P8_breast_Table1_757 ACTGCGGGCTCTCTTGATTCCAGTCTACTGGTCTGCTTGTTGCTTTGGGTATTTGAGTATTTA TGTGTTTCTTTTGGCTC CTGTTTGCATGGTCACTGGCTGTCATAGGGAATGGTGATCGGCTTTTCCAGTTGCTCAGGAC **ACAAAAGAGGTTGGCTGG** TGTCATGGACAGCACATGGGATTTGGAGTTAGAAGGTCTCAGTTAAAAACCCTCAGGCCCCT **GCATTCTAGCTGGGGGAC** CCTCGGGCAGGTTGCTTGAACCTCTCACCTTGACTGGTTTGTTGAACTTGCAGAGTGCTAGC AGCACCTGCCCCCAGCGT GGGGGAGTGGTTTTGCAGATTAAAGTGTTTGTGAATGCACTTCCTCGATGGAGGGCCTCTAG CACCATGGTTTCGTCATCC TGTATCTGTCACCCCTGTAGGTCAGGGGTTTTTCACATTTGTGGCATCAGAGAAACCCC **TAGGTTTCTGTTTACAG** >MPM2000-002P8_breast_Table1_758 **GCGTTCCTTGTCATCTTGG** CTGCCCTAGCTCTGAGCTTCAGGGGATATATGACTCAGAAATGCTATGCTTTCTGGAATTTG GATATTCATTTTATTGTT CTTGGTAAATTCTCTTTTGACTTAGGAGAGCTAACTATTTGGAAAGGTCTCTCAGAACTCTA **ATTACAAATATAT** >MPM2000-002P8_breast_Table1_759 CGAGGTACTGGTTTGACATTGTGTTTAAAGTCAAAAGTTTAGGCTTGAGATCTCTTTCTAGTG **TGATGGTTTTACTAGTA** TATACGTATGTTAATGTTTAAAAATTTCACACCCCAAAAATGTGCAGTATACCAGATGTTAATT **ATATCTCATAAAGCTA** TTAAAATTTTATCTCAAAATTATAGCTTTATTGCATTTAGGGCATTATCCAATTTTGAATCTAGT CCAGTTATCATAGCT TAATGCAGTATTATGAAAATAATGCCTATAAAGGTCCAGTTCCTCAAACACCCTTGGAACCAA TTTTGCCATCTATATTA **GTTACCTTGGGCTGCTATAATGAAGT** >MPM2000-002P8_breast_Table1_760 TGAATCCCAGGTGTGAGT AATGAGGCTCACATGAGTGGGTATATCACTAACACGGCTTAGGAGCCCCATCTCGAGTCATT **ATTITGCTTGACAACCAT** GAGCTTCCAGGATCCCGACAAGGCACATGGCAAATTACAGGAGTCCTCACACTAAGAGAAG CCCTAAGCTATGGCCAGCA CAGGTATTTATAGTTCCTCCCAGTCCTTTCGCAGTTTACCAGTGGGTCATTTTTACCATAAGC **AGTGTTGCCTAGTAACA** TAGCTGACATTCTGCCTGTATGGTTTCCACGGGAACAGAGCTGATAGCTGGGTTAAACTGAA TCCAAGCCCAATTTCTCA TGCTGAAAGACAAGAGTTTTGCTAACACTTAAGTCACAAATAT >MPM2000-002P8_breast_Table1_761 GGTGGCGGCCGGCAGGTACACTTTTTTGGCTTATGGGTATCTTAGTTTAACCTTTTCT **TGNTGAGTGAACTGTGTC** ATTTCAAAAGCCTGAAGACATTGTGATGACTGCTGCCTCCATAATGGCTACATTCTAGGGGC TTTGCCCTGAATCGCAAT **ATTAACTCAAAAAGCAAACAGT** >MPM2000-002P8_breast_Table1_762 ACAGAGCCACACCAAAATCTGGGAGAGACTATTTCAGGAAAGGAGGAGGAAATTTGAAGA CCTGGGGCTAGAATGAGCT

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CAACATATTCTAAGATCGGCAAGTTTAGTGTGGCTGGAAAAGAATGAGTAAACAGAAACCTG **AGATAAGATGAGGTCACG** GAGAAATGCATGGGTCAGACCACGTATAACCTTGCAGGTCATGGTAAAGGCATCTGGACTTT **ATACTGAGT** >MPM2000-002P8_breast_Table1_763 ACTTTTTTTTTTTTTTGGGTTTATTTGCTTAGGATAATGGCCTCCAGCTGCATCTATGTTG CTGGAAAGGACATGAT TTTGTTCCTTTTTATGGCCTTGTAATGGTTCATGGTGTATATGCACCACATTTTCTTCATCCAT **TCCAACGTTGATGGAC ATCTAGGTTGATTCCACGTCTTCACTATTGTGAATAGTGTTGCAGTGAACATATGAGTGCATG TGTCTTTTCAATAGAAC** TTTCTTTTTTTTGGATATACACCCAGTAATAAGAATTGCTGGGTCAAATGGGTATTATCATT CTCTTTTTAGTAAACC AACTTATAAAAAGATTTTAAATCAAAGCTTTGTGCTGCTAACCCCAGTGAGTCCAGAGCTTAT ATTTTTA >MPM2000-002P8_breast_Table1_764 TTAGGAATTTNTATATCAAAGCCTTATCGAAACCCGCCNACCTCNAAGGGGGGGGCCCGGG ANCCAACTTTTTGGTCCCC CTTAANGGAGGGGTAAAATGCGCCCCCTGGGCGGAAAACAAANGGCAANAAACNGGGNT **CCCCGGGGGANAAAAAGGG** NATACCCCGCACANATTCCCCACCAAAAANTANCCCGGCCCCGGGGAGCAANAAAAGGGGA AAAAAGCCCNGGGGGGGC CCTAAATGAAGTGAAGCCTAACTTCACAATTAATTGCGGTTTGCGGCTTCACTNGCCCCGCT TTCCAAGTCCGGGGAAAA CCCTGTCGNGCCAAGCTGNATTAATGAAATCGGGCCCAA >MPM2000-002P8_breast_Table1_765 TCAAATTTTTGTTATCCTCTTCAAGAATGTCTNCTNNGGATTCTGCATATATATCCCAACATNN TAGGAACTCATAAATT GCATACTTTTTTGGTGTGATCAGAGATGGGTAACTCTTATTACTTGTGGGTTAGATAGTTTTG **GAAATAGCCTGGAGTCA** TTGAGAGCCAATCCTTATCAACAAAATGGCATAAATGGACAGGAATGGGTTTCTTCACTT **TAGAGATAGCTCTGAAG** ACATGTCTCAGTTGGGATTAGTTCAGTTGCATATATGAATAGCAGTCATTGAAACAAGATAAA **AGTGTATGTTTCTCACA** TCTAAAGAAGTCTGGAGGTAAGCAATCCAAGGGTTAGCCTATCGTGCCCCACTCTCATAAGG GACTTAGGTCCTTTTATC TTGCTTCACCATTCTTGATGTT >MPM2000-002P8 breast Table1 766 ACGCGGGGGGATTCAGAGTGAGAAGGCATAAAGGAGAATCCCCAGCTGACTTGTGCAGTG **GTTAATTGAAATTATTCAGG** CAAGAGATGATGGTGTCTTGGACCAGGGGATGAGGAAGGCTACAAAATGTGTCTACCTGAT TCTGTGAGGAGAACGTGTT CCCTGGTTTTAGATACTGTGAAGATGGATCAGGAGAGAGTTTATCTAGACTGTTGGGGAAAG **GTGTTGCGATTCCTTCAG** ATATCATNAAAAAAGT >MPM2000-002P8_breast_Table1_767 ACAGGCCAAAGTGCTAGGATTACAGGCCGTGAGCCATCACGCCCAGCCTGTCTCCATTTAT **AAAGTAGGCAGTTTGCATT** AAATTGTAGTTCTGGTGTATCCGGCATTCCTTGAACGTCTGTTTTATGCTAAACACATTTTACA CATTACATAATTITAA TCGCCACCCATTTTTGAGGC

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ACTTACAGGGGACCGCCAGGGGCCTCGAGAATCGGTATCCTGAGTCCTCTTGAAGAGCAGT

>MPM2000-002P8_breast_Table1_768

AGAGGTTGTTTCATTAAGT

GCAAACACATTGTTCTTAATTTGAAAACTGTGGGCAGAAACAGAAGCCCGAGACTAATTTTTC CATTGCTAACTCTAGAT TCTCGGCCACTGGAGTCTGAAGATACTCTCTTTGAGAATGCATATTATTTTGCTCACAGCTAA **AACATTTAAG** >MPM2000-002P8_breast_Table1_769 ACAGCTTAATGGCAAAAGAGAATCTTAATCCCTAAGAGCTTTTTCTAATTGATGGACATCATT TTCCAATTGAACAAATT GGAATTTATTAGTGGTGACTGTGGCTTTGAATCTGAGCTAGTTTATTCTTGCAGTCACAGAGA **GTGTCCTTATAGAAAAT** ACTACCTCCTTTGCCTT CCTGAATTATCCAGATG **GCTGTTTCAACTTTTCAGCCATACCTTAAAGTTGAAAAGGATGGCCCTAATTTCCACCTCTA ATTCCACTTCCAATTTC TGGTTTGAAGCAAGAC** >MPM2000-002P8_breast_Table1_770 ACCTGATTTCCTGACATTGCTATTTATATGATGCCACTTAACAGGTGCTTGGAGGAAACTCCT GACTCATTGCTTACCTC TCAGGGCTATGTAAAAACCACACAGAATTTATTAAACACATCACAAGTGGT >MPM2000-002P8_breast_Table1_771 **AACCAAATGCAAATGTCA** TACGTCTCTGTCACTAGCAGCATAGTTGCTAGAGAGACACGTGTGAGCCACACCTCAAAGAC **AAGCCTTCATCATCTTTT** CCTGGAGATAGCTGACTAGCAATCAGATGTTCAAATAAAGCTACTTTCTTGT >MPM2000-002P8_breast_Table1_772 ACTGCTTGTGATCCAGCTACTGAGGTCTGAACCGAACAGACCTGGGAAGTGTCTCAGAGCT **GTCTCTCAGGCTCTGAGAG** AAAGTAGCCAACACTACAGTAGACAGAGAGAGAGACAGATCAAGACAGATACAGACGACAG CATAAGACAAAATACTTTA TGAAATTGCCAAGTTCCTCAAGCAATCTAGTTAACTCTTCTCAGCAACTGTTGAACCAGGCTT TAACCTCAAGG >MPM2000-002P8_breast_Table1_773 AGTCACTTAATGGCCCCATTACCGCTCCTCTGTCTCCCGTGCTAGCTCCTGCTTCTAAC **TCTCATCCCTAATCTTAG** CTAAATGCCATATTT AAGTTTCTCAAGATTTTTTTTAACCTCAGGAGCAGAAAGGTGAATTAATCAGACTCTTTAGC **CTGTGGCAATTTTGTTG** TATAAGGTCCACCTGTCTTGTCTTATTTTTCCCTTTATGCCAGATTCCACCACCATCAGTCCC **TGGCTATCCCAACAAGC ACCTACACTAATGTGATACAGACATGTAATT** >MPM2000-002P8_breast_Table1_774 ACTCAATTAATATTTTATTGAGGTGCCCTGTAATCTGACATTCCAGGGAGCTTTCAAGGAAAC TTTGTCACACTAAAAAA AATTGAGGATTGTTTTGTGGGTTATTCCGCTCCTTTGTCTTCTAACCCACAGAAGTTCTGTCA TGGTTCTTAGGGGTTGT AGGGTGTGTCCACTTATTTTAAAATGTCAAAGACCAGAAGAGTGGAGAATGGGAAAGTGGCA AAGTGTTAGCACTGGAAA GATGTTTAGAGATCACGTAGTCCAACCCTTAAATTTTATAGATGAATAAACTGGTATCTAGAA **AGCTTAAGTGACCTGCC TGAAATCACACAACTAGTT** >MPM2000-002P8_breast_Table1_775 ACAAGCTGAGATTTTGGAGTCTGGTGGGTTCCAGTCTTGCTTTCCACCAATAATTAGCTTCAC TTGACTTCTTTGGGTTT

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Table 5

CCGTTTCCTCATTTGTATGAGAAAATAGGGATCATGAGAGT >MPM2000-002P8_breast_Table1_776 ACTACTGGCACTGAGCCAATGTATGCTATCAAGGAAAGCTTTATCTGTCACTGAGCAAAAGG **TGAAGTTCAATTAGGTCA** GTTTTATCACTTCTTTTCCTACACACACACACTATGAGGAGAGCATCATTTCTTTTCTTTTATT TATTTATTTTTTTG AGACAGGGTCCCACTCCGTCGCCCAGGTTAGAGT >MPM2000-002P8_breast_Table1_777 CATGCGCCACCATGCCCTA TTTTTTTTTAAAGACCCTCACCTCTTAAAAAAAAAAAAGTAGATTAAAAAAATACCACAATTG CTCAGGTAGATTGAAA AACAGGCATATAGT >MPM2000-002P8_breast_Table1_778 ACTGACCATAGATATCCCTGGGGGATGTAGTGGATTCAAAACATGAGTTGGATTCTCCAACG TGCCATCGGAATTCTTCT AATATTCAGCAGCTTTGATTGTTGTTTTACATCTGACCTGTATTTAGATTTCTCTGATTCCTGG **AATATTTGTGGAAAAT** AAGT >MPM2000-002P8_breast_Table1_779 ACTGTTATTCCAGTTTTGCAGATGAAGAAGCTGGGATTTAGTGAAGTTAAATAACTAGTAAAT **AGAGAGGGCTATGTTCC** ATCCTAAGTTGCTTTTGATTCCAAGACTGCTATGGTATTTTGAGACGGCTGATTTGGT >MPM2000-002P8_breast_Table1_780 ACGCGGGGGTTTGTAGATGGAAGGAAGAACTTGTGTGCTTAGACCTGACGCTGGGAGGAGA **TGCTGCCACCTAGGTTACT** TGTAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAA **TGGTAGCTGAGACCAATG** ATGCCGACCTCCAAAAGCTGCATTTCTGAATTTCTGAAGGCAAACTGTCTGCCTATATTG >MPM2000-002P8_breast_Table1_781 ACTCTGGTGAGAAGGATGTTCATCAGGAAGGGCATCATATTGTGTAAAGGGCACAGGATTGA **GAGGAAAATTCATAAGGC** AATGAATGTATATTCACCTAGCCAGCCCAGTCATACCGTCAGAGACATTTTTAATTCCAATAT **GTTTGGTTACGTTTCTT** AAAATTCCAACCTATGCTCCTTATATGATACATTCACCTCTTTTGTAAGCATAATCTCTTTACC **ATTACCAATTAATTGC** AGCCCATCCTATTAGCTGTAGAAGAAGATGTGGCAAATTTGGGAAGTAAAGAAAAAAGGGG **ATCAAGAATAGACATAAA** AGATTTGTGATCACCTGCGTATATCTACCCAGTACCTTGGTGTTACTTCCTTTGAAAG >MPM2000-002P8_breast_Table1_782 ACCAGGAAAAGATCCCAAACCTGAATCTAATAATGAAGAAATACGATACAAATGAAAACTGAG **AAACATTCTACAATGTA** ACTGAACTGCAATATTCAAAAGTATCAAGGTCATGAAAATCAGGGGAAGACTGAAGAACTGT TCTAAAATGAAGAGGATT **AAAGAAACATAACTAAGTATATAACCTATAATTCTGATTAGATCCATTCCCTACACAGGGCATT** GAAACAAAAGCCAAAA TGTGTACCTGCCCGGGCGGC >MPM2000-002P8_breast_Table1_783 ACAGGAGGCAAAAAAGCAATCAGTATGACTTGAACTGCTGGGTTTAATTACTCAATATAACAC TTGCCATTTAAAAATCC ATATGCCCATCAGCATGGCAACAGTCTCTCATAAAGATTCCGGTATCATATGGCACAATTTGT >MPM2000-002P8_breast_Table1_784 ACGCGGGATGTGACACCCTGCTGAAGTGCCACCTACTATATTTGGTCTCAGCGATTAAACG

AAAAGAGATGGTAAGGCA

ACAAAAATTATCAGCATATATTTCAGCTTCTTTGAGTTTTGCAGATTAGTATAGTTCAAAGGA **TAGACAAATTCACTTG** TTTTCATTTTGTCTTTAAGATAAATAAATTTTGGT >MPM2000-002P8_breast_Table1_785 ACCTTTCACTCTCATCAAACTAGACTACCGACTGTTTCTCGAAAAACTTTTTCCACCTCTTCAC CTTTGCTTATGCTTAT TTTTAATTTTGAAAAA TTTCAGTGCAGAGAAGTTGAAAGAGTAGT >MPM2000-002P8_breast_Table1_786 ACTGGGATTATAAGCATATAAGCCACTGCGCCTGGCCCTATATACCTTCTTTATTCCTTTATT TTAGTGGCATTTCAAGA GTGTTGAAAACATATGTTAGATCTGGCATGTTTAAATAGAAATCCTTCTGAGCCCTACTTTGG **GGGTCAGGGGAGCCGGC** CCATTTATAGAGCTCTTATGATGTGGTAGACAGCGGCAGT >MPM2000-002P8_breast_Table1_787 **ACTGCATGTGCACGTGCGTGTGGTAGTAGGCAACTGCTCAAATGTCAGTTTTGAGATGTTGT TGGTGGGCCTGTGTTTAT** CTGTAACTGTATTTATGTAGGTGTCTCTTCAGAAATATGTCTGAACTGGTCAATTTGTTGT >MPM2000-002P8_breast_Table1_788 CTTGAGTCGACCCACGCGTCCGTGCCTTACAACTGGATCTCATGAGACATTTCCTCAACTGT **GGCTTATAGTCTCTGATG** AATCTAGTTTGTGCCAAGTTAATACAAATCAGCCAATATGCCTGGATTTTAAAAGTAATCTATT TAGCTTTACTTTTGAT ATTITG >MPM2000-002P8_breast_Table1_789 ACTTATATGCTAGGAGCCTGGGACATACTTTATTATTTCATAATTTTACATCTTTAAATCTTAA **AGAAACATCGGTAAT ATCTGCATGAATCAGAATTCAAACGCAGCCTTGCTTTCACAATCATAGATTTTCAGGATCAGA AATTTATTCTGTCAAGA** AGAAGGATGACCAAAAATGCCGGACGCGTGGATCGACTCAAG >MPM2000-002P8_breast_Table1_790 **GTCTTAGGTAGGATCTTGCTACTCTGTGTGCACTTATCTTGGGAGTCAGAGTAAGTTCAATTT GTCTACTITATTCTGTG** GTAGTTTTTCTTGTATTTTTACACTACGTCCTGTGTGATTTCATTTCATTGTAATTTAGTCTTT TTGTTTATTGGGTTT TTCTTCTTTCATATTGGCTTCATCTAAGGAACAATAATGTCATTGTTCATTTCAGAACCAAGAA **AATATAGAACACCTAG** AAAATCAATCAACCAAACAAACAAATGAATAGTAGAAAATCAAACACACATGTATTGCCTCTT **GTTTCTGCTGGAATTTT** TCCCT >MPM2000-002P8 breast Table1 791 ACACTTTTTACACCATAACTGCCATGTGGTGATAAGCTAAGTCATCTCATTCCTTCTCCCTTT **CTCTGTGCCTGTCTCCA** TGGTCATTCGGTCCTATCATCTGTTAACAGTAGGAGAAGGCATGTTTGCATTTGAGAATGAT **GGTTACTATAGCAGTCAG** CAAATGGAGCGGACGCGT **GGGTCGACTCAAGC** >MPM2000-002P8_breast_Table1_792 ACAGTTTACTACCCAAATTGATATTACTACCTGAGCATTTTTCATTTTCTTACATAATCTTCCAA **AACATTCATTTTATC** TACCACAAAATATTAAATTGAATAAAACATTTTTGCTGAATTTGTGGAGCTGGGCTTTTAGACC **GGTTTTAACATTTCAG** TGTAATATGTAATGCAGCTCAAAAGCTTTGTGCAAGTGGTTTCTGGATTTAGGATGTAGTTTT **CTTTGA**

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>MPM2000-002P8_breast_Table1_793 ACCCTCGGTTGCAAGCACAAGCAAATGTGCCAGGGTGGTTGATGCAGCTGTGGTCACAGGT CCTATCCAAAGAGCACTCG TCCACATCTTGGCAAGACTTCTCATCTGTTAATAATTTAAATCCTTTCTT >MPM2000-002P8_breast_Table1_794 ACATCATGCCTCCAGTTCTGGAGCTAACACAGATTTCTCCAATTTCATCTGTTTTGCAGAGCT GGGGAGGTCCATCTGGT TTCACAATGCACATCATCCCACCAGGCATTACATGCCCTACATCCTGGACCGTCAGTGCTGA ATTTTTATCTTCAGTATT GACCCGTATTACCCCATAGCTCAATCCATTCATTGAGAGAATGGCTCTTCCTGGCAAAGGGG CTCCTGGAACTCCAGGCC TGCGGATTGCTACAGTCATGGCTTCAGCAGACGTGGCGCACGGTCAGATGGCCTCAGGCTT CAGTCCATGACTTTGGAAC >MPM2000-002P8_breast_Table1_795 ACCCTCGGTTGCAAGCAAGCAAATGTGCCAGGGTGGTTGATGCAGCTGTGGTCACAGGT **CCTATCCAAAGAGCACTCA** TCCACATCTTGGCAAGACTTCTCATCTGTTAATAATTTAAATCCTTTCTT >MPM2000-002P8_breast_Table1_796 ACAGGGCAATCAGAGGGTGAATGATACGCACACCTGTGTATCTCCCATATTCTGCAACTTCT **GTTTTTATTAGAAGTGTA** GAATAAGTTCCCATCTTGTCTTCTAAGCTTTCAGGTTCCCAGGGTGT >MPM2000-002P8_breast_Table1_797 ACTTCCTTTTTTTTTTTTTTTTTTTTTTTTAGCTACCTGGGTATCTGCTTGGGACCCTGTCCTCTT **CCCACTCCACTGTAG** GGTAAGATTAAACTTTTCTAGGATTCTTATTAATGAAATTATATGCATGGATACTTTTATATCT **GGCTTCTTTTGGTTA** GCATAATATTTTTGAGATTTATCCACGTTGCTTGTATCATTAGTTTGTTCATTTTTGCATTGGTA **AGCAGCATTTCATTGG** GTGAACATAATAAAACTTTATTTTTCTGTTGATGGACATTTAAATTTGTTCCGATTTGGATAAC **TGTAAATAAAAACTGC** TATGAACACATATGGTCAAGTCTTTATGTGGGCAGATAAATGCTATTTTTAAATTTAAG >MPM2000-002P8_breast_Table1_798 **ACTTTATATACATAATATCTTACTCTCTAATCCACATAATGGAGTTGTGCCAGACTCCAAACTG AACATAATATTTATAT** ATACATATATATTTATATATATACACACATACATAAACTATAAACCTGAATATCTTAGCATACAA AACTTATCTAACAAC TAATAATTTATGATTCCTTTGAGAGGGGGGGTTAGAAGAAACTCTTCTTAGTCTTTGAAATA **GTACTGACAGTAAGCAA** TAAACAACATTATTAATTTCTGGGTTCTCATTTATTCAAGTGAAAGACAAATAAAATAAAATTC **ACTTCTGAGCCACTAG** AAATTTTGAAATCATAAAGGATTATTGGGAAATGAGTAGTCTTTAAGAACAATTTAGTGTTATC TAAGTAAAGTGGATTT TGGTAAGATACAGAGAAAAATCTATGCATAAATAAATTCTTGCTTCATTGAGCAACTATAATC **GCTAAATGGGTCTTTCT** AAGTATCTCAGGAATGTTTTTAAAATATTAATAGTGAATAAA >MPM2000-002P8_breast_Table1_799 **ACTCAAAAGGCATTTCCGCTTACAATTTGTAGAAACACAAAATGCGTTTTCCATACAGCAGTG** CCTATATAGTGACTGAT TTTTAACTTTCAATGTCCATCTTTCAAAGGAAGTAACACCAAGGTACTGGGTAGATATACGCA **GGTGATCACAAATCTTT ATAGGATGGGCTGCA ATTAATTGGTAATGGTAAAGAGATTATGCTTACAAAAGAGGGTGAATGTATCATATAAGGAGCA** TAGGTTGGAATTTTAAG AAACGTAACCAAACATATTGGAATTAA

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Table 5

>MPM2000-002P8_breast_Table1_800 ACTACCCAAGGTCCTCTGTGACTCGCCGCCCACTACCCAAGTGAATGAGTCTCCCCTAGAG CTTTGCTACTCAGAGGGGT CTGAGGACAACAGCATGGGCCAACACGTGCACTCGAGCTGCCTGGAGATCTTGTTCAAAGG CAGATTCTGAATGAGTAGG TCTGGGTTGGAGCCTGAGAGTCTGT >MPM2000-002P8_breast_Table1_801 ACTITITITITITITITITITITITGGAAATAAAATTITAATGGAACACAGCCATGCCTGTTCA TTTACATATTGCATA ACCCCTACCCCTAGAATTGAGCAGTTGCAACAGAGGCCATATGGCCTGACAAAGCCTAAAGT **GTTTACCTATTGGGTTCT** TTACACAAAATGTTTGCCCACCCGGATTATATCATGGACTCGACTTGTTTTGGTTTCATATT CATAGTCTGAATATATT TTGGTAGCCTTAACAGTTCTACAGGGAGAGAATATACAAGTCAGGCTATTCTAGGTTTTCTGT **AGTTTCACAGATTTGTC ATTATAATCAGA** >MPM2000-002P8_breast_Table1_802 ACCAGGACCTCTAACTCCCCCTGACACAGAGCAATTAGACTCCCATAACAATGGTATCAATT **ATACCACTCCATTGGAGG** GACTTCCTTTATGTGTCACCCAGGATACATTGCTCAACTGCAGTTGCCTTGCAGTTTGATCCC **AAGCATGGTTGAGTTAC** CATAAAAAAATTATGT >MPM2000-002P8_breast_Table1_803 **GTTGCCTTTGTGAAGCTC** AGAGTGGTTAAGTAACTTGCTCAAAATCACAGAGCTACTAAGTGGT >MPM2000-002P8_breast_Table1_804 CTTCCCAGGGATAGTTTTCCATTTGATTAAAGTTTTGTTCTTATGTTACTTTTTACTGTTGTTTT TGCAGTTTACCTAAT GCTAATAGGGTCTCAGGAACTGTATTTGATGTTAAAGTGTGGTTTTTCCAGAAGATGACAGAT AATTGGTGGTCTCCCCT TTTCCTCAGCAACATAGTTGTACAGCATACTGACTCAATTCTTAAGTCTGATTTGTGCANATTT **TTATCGTACTTGAGAG** TTACAAAGCAAGTGAGAACTTGAGGGATCAAGATCCTGGAGAGAAGGAAACCTTAAAAGGGT **AAACCCAACATTTGGCTC TACTTTTCCCCTTGAGGTA** >MPM2000-002P8_breast_Table1_805 ACAAACCCCAAGTGATTATAGAAAAATCAATGTGGCAGCTACACTAGAGATGTCCAACCCCA AGGCTATGGGCCGTTGCT CCCTCTTTCCCCCCAATCCCAATCCCGCGTACGCGGGGCCTCTTTTCCGTGGCGCCTCGGA **GGCGTTCAGCTGCTTCAAG** ATGAAGCTGAACATCTCCTTCCCAGCCACTGGCTGCCAGAAACTCATTGAAGTGGACGATGA **ACGCAAACTTCGT** >MPM2000-002P8_breast_Table1_806 ACCCCTAAGTGGGAACCTACCAGGACATTCAAAGCAAGAGCAGTAAGTTCTGAATGTTCTGG **GACAACCTGGGTGATATG** CATGGATATGGGCTGTGGAGGCTGAGCATTTTAATGATAACTTAGGGAAACGAGGCATGGC CATGGTGTAAAACTCTCAA ATCCCAAGCCCTAATCCAACCTTAAAATCCGAGTCTTCTAAAGGGCTGTTTTAACCATGAAAG GACCATAAGAAAGGCAA TTCACAGAAAATGAAGCCATGTGGCCAAGAAATATAAGAAAAACAGTAAAAGCCCTTAATCTC **AATAGCAATAGAGTGGA TGCAAATGAATATAATGAGTTGTC** >MPM2000-002P8_breast_Table1_807 CAAACAAAAGGCATT

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CAGATCCACTCCCTCAGA AAGGATTTGAGTAGGCCTCTTCTGTCCATCTGCAGAAGGTTCCCCAAAAGGGGCAGAGGGC GGGGCCCTGGTGGGAGGGT GCCATGGGAGTTAGGGTGACGCTGAACCAGGAGTAGCAAGAGGCCTGTGAGGAGTGCAAG GAAGAGGAGGACGCTGAGCT CCATGGTT >MPM2000-002P8 breast_Table1_808 AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAATTCTACACCTGGAAAAA CAAAACCCAGGTGTCTCCTC **AGCTTCAAAAACTCTCAGGGAATGAATCCCTGTGTCCTACACCCAAGTATGTGGAATTTAAG AACCTGCTGTGGACCTAC** CTATTTTCTTAGAAATATGCAGCTGAATATAACCATTTTTGGATATTTGAGATCATTATGT >MPM2000-002P8_breast_Table1_809 ACCAAATAATGGAGCTAGAATTCCTATCAAAATAATGGAGCTAGAATTTCCATCAACATATAA **AGTCCATATGTGAGCCT** CATATAAGGCAAACTGTAAAATCAGTCAAGGTTCTAAGTCTTTCCTCCAAGATCTGGAAAGAG **TGATTGAGCATTCGTTA** TTTTAAATTACGGACTATTTTTTCCATACAAGGAAGTTAACATCTAGAGCGATCATTCTCAAA **CTTTATTGTATACCAG** AATCATTTGGAGGATTTATTAAAACACAAAGTGCTGGGCCTTACTCCTGAGTTTCTAATTCTG **TACACTCTGCCCCCATC** CCGGGATGAG >MPM2000-002P8_breast_Table1_810 ACAGGTATGGGGACCACAGGAACAGTTAAATTCATGGCATGGCTGGTCTACCACACAGTCG **GGGGAATTCTTTAAATAGA** GCCTGTCACTCTTGGCCCATCAATGGGATTTCCTTCTCGAACTGCTGATTCGTTCAGGT >MPM2000-002P8 breast_Table1_811 ACTTAAGAACTCTCCAGGTAAGGAGCATGGCTCTAATGGGAAATCCTTCAGGTCGGGGTGA **AAGAGGAAAAAAAAAATGGT** TACCAAGGATGAACTGTAGCTCACTTAGGAACTGAGCTTTCAGACTCCCATAAGAGCTAAAT GATAAAAGAATTTTTTT TTTAAGAAAAAGGAAAAGAAAGAAAGAAGAAGAAGAAACCAGGAATTCAATAATGTCCTC **AGAAAACAAAGCAGTGAT** TCCTTCCTCATTACTTTTGAGCAATGAGACCCTACGCTCCCGCGT >MPM2000-002P8_breast_Table1_812 ACTITATICTCTTATCCAGGACTGGATCAAATGATTTATGGCATTGTGCTGTTTTAATGTTCTC ATCCACAGGGTCGATT CCAATAACTGAAGCCCCAAGCCGCCCTAGAGGTTCAGTTAACAGCCCACCACCACAGCCAA **CGTCAAGAATCTTCATCCC GCACCCTCAGGTTATTC** ATGGAATGAAGAGGTGCATATACTCCTTGTTCATTCCACCATTTGTGAGCCCGGGCCAAAAA **GGTTTTACC** >MPM2000-002P8_breast_Table1_813 CGCGGNGGCGGCCGGCCGGGCAGGNACTNTTGCCNGGGANGAAAAAACCCCGACAGCAG CAAACNGCAGAANCNNCAGAC NGCAGGCTGCNGATGGNGAGAGGGAACNCCGCCCCANACCCACNGCCACNGAACCNGGC NGGGANACCAGNGGCCCNGGN GGANGCACCANAGANGAGGAGCCCGGGTNTTCTGGCCAGGGGGCNGCNCGCACCNCGGC **CGCNCNAGAACNAGAGGACCC** CCCGGCCNGCAGGAANNCGANANCAAGCNNANCGAAACCGNCGACCNCGAGGGGGGG >MPM2000-002P8_breast_Table1_814 GAGCTCCACTCGGTGGCGGCCGCCCGGCAGGTACTCATCAGATGGAATGTTTTACCCCGCC GAGGTTTTAGTCATGATGT

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GCTGAGCTCTCTGCGTCTGACGTGACTGGCTGGCGTGGCGTTGGCGTGACCCTTCTTT CCCTTAGGATCACATATGG AGAATTCCACCTATGGGAAAATTAAAATGATTGACATGCCCGTGGAAAGGATGCATCCCCAT CTGTCCAAAGGCTATGCG >MPM2000-002P8_breast_Table1_815 ACATATCACAGGATTAAAACTCCAGTTAAGCAACTGAGCTAATCATTGAAGTAAAATTAAAAAT **ACCAAGCTTCTTTAACC** TATCAATGCTGTTTTAGAAGCATCATCCGAACAAATAGAGATTTAGTTATAAATTGGCTGGGC TACATTCTGTGATGAGA ATTTTGCTTAGTACCACTAGAGGAAGAGAGACTAGAGGCCCAAGAAGAAGGTGAAAGTAGA **GCTATGTGCCCAAGAAAAA** CTTGTAGAGATGGAATAAGAACTGAAACAATAGTAGAAACACTTGCCCTGAAGAAAAAGGAT **GGAAAAATGAAATAGATT** GATTTTTAGCTGGTAGGGAAGAAGTTAACATAGTCTTAGTCGGTTGGGTTTTCTCAAGGAA CTGAGAAGCAGGATTAGT >MPM2000-002P8_breast_Table1_816 AGGGANCCNGGAGNCAAAGCAGCAGCCCCGGANGGNGCACNCCCCGGGGGAGACANGGG **GGAGCCGCAGCCACCCTGCCT** GGCNGGCACGGCACACNGGNNNGCAGACAGGCCCACGNACCNGCCCGGGCGGNCGNCAA GAACAAGGGGACCCCCGGGCC CNNAAGGGAG GGGAAAANGCGCGCCNGGCGGAAACANGGCAAAAGCNGGNCCCCGGGGGGAAAANGGNA **ACCGCNCAACAAANCCACACA** ACAAACGAACCGGGAGCAAAAAGGGAAAAACCCGGGGGGCCCAAAGAGGGAGCCAACCCAC AANAAANGGGGGGGGCCCA CCCGGGGAGAGGGGGGGNNGG GGAAAGGGCCCCCNNCCNNNNCCCCGNNCANAGACCCNNNGGGCCCGGGNCGNNCGG **NGGGGGGGAGGCGGGAANANNC AGGGAGCNAAAAGGCNNCA GGCNGGGAAAAAAA** >MPM2000-002P8_breast_Table1_817 TACCAGTGGCCCCCCGCGTACATGTGTGAAAACAATATTGTATACTACCATAGTGAGCCATG ATTTCTAAAAAAAAAAA >MPM2000-002P8_breast_Table1_818 ACAGGAGGCCTAGGACTTGTAACTGGCATCTGAAGTGTGGGGAGTCCTGTGGGATTGAGCC CTTAACCAACCCTAAATAC TTGTGCTAACTCCAGGTAGTTAGTATCAAAATTGAATTACATTGTTGAACATCCATTTGGTGT **CTGGAGAATCACAGAAT** TGGTTGCTGGTGTTGAAAGCACCTGAGAATTGGTGTTAGAATTGAAGTGAGGAAAGCGAACC AAAAAAAAAAAAAA AGTT >MPM2000-002P8_breast_Table1_819 **ACTITIGTAAAGAGGTGCAAGAAAACCAAAAACATAGGCATCCAAGGTAGAAGGCGTATCTCC AAAGAAAACTGAGATGTT** CCCAATCTGTTTGATAGAAGATTTAGGCACTCCTTGGCATCTCTGTATATCTGTGCTTCCACT TCTCGGAGGTGGTAGAG GGGAGGCTGTCCTCTGGTCAGGAGAATCCTATTCAGTGCTCCCTTAGACATTCTTCCAGGCA **GGATCAAACTCAAAGGAA** GAGGAATTTGTGAAGCAAACCATGGCTTTGTCACAGTAAAGTAATTGTCACTCTCAACCC

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>MPM2000-002P8_breast_Table1_820 ACATTTAAGCGGAAGCATACGGGAATATGAGTGCAAAAGTGTGGCTGAGCCGCGTATGCCC TTGATTGGTTTTGGGAAGC CTGAGGGAGGCAGCCTTCCTGGCTATGAGCCATCGCCTGCCCAATCAGGCTAAGGGTGGT GACTGGGGTGGTGAAGGGGC AGCTCTGCTGAGCATGGTCTGCCTTATGGCCTGAATTGTCCTCAAGGGGTGTGGACTGCAG **ATGGTGTTCACATGAACCG** GAGACATCACTCTTTAGGATTCTACTGGCAGCCCCTGAATTGGCTCAACGTTTGTGGAGGTG **GTATTTCCCTGAAGT** >MPM2000-002P8 breast Table 1 821 ACTGTGGGATTTGTCTTTTATGAGTTACCAGTTCAGAGACTAGTTCATCTTTGGTTGTATAGG **ATGTTAGGATCTCAGTT** GGCATTCACAGTTAAATCATGCACCTTCAGGAACTGGGAGCATTTTGATCCAGAGTCACAAT CATTCCTTCTTATCTTC ATCCCTATGGTATGTGTGTTCTGAAGTTTAACTGACAGATGGCAGCTGGTACCTGCAGGCCT CCTACACCTACCTCTCTC TGGGCTTCTATTTCGACCGCGATGATGTGGCTCTGGAAGGCGTGAGCCACTTCTTCCGCGA ATTGGCCGAGGAGAAGCGC GAGGGCTACGAGCGTCTCCTGAAGATGCAAA >MPM2000-002P8_breast_Table1_822 TGTCACTGACTTACGCCCTTCCCACAGCTACAGATAAGGGCTCGCAAAGTTGGCCTCAGAG **ACACATCATGAACCAAGGT** GGACCAGCAGGTGCCGAGCCTGTGTATCTGCTTGGAGGAGACGTTCCAATGTGCTGCCTTG **TCAGAGATGGGAGTTGCAA** GAAACAGAAACCCACCACAATTTCTCAGGCAAAAAGGGAGTTAATTATAAGGACATAAGAGC ACAAAGTTCCAGTGCAAG AGATACATCCAGGCTGCACAAGCTCCGGGAGTGGGGCCTGGCAAGCCAAAAGAAACCAAA **GTTTGTCTTGCCTTCTGTTC** CTCTTTCTGAAGCCACATAGCCTTTTATTGACGGTGTATTCTTGCATCGCTTTTGTTTTCTTTT **TATGTCTCTGAGGCCA** GCTTTTCCTGTTCACTCATCCCTTGATTAAATATGGACATTCT >MPM2000-002P8_breast_Table1_823 ACCACAAGAACTATGAGCTGGTTATCCACTTCATGTGGAATCATAAGCGTCCCAAAGTGACA **ATACATATAGATTGCCAG** GCAGTGAAACAGTTAAGATGCCACCATAGCTTTCTTTTCAACATCTTTCTAAATTANNCCTTA CTATITCTTTTGTTCCA **AGGTTTGTAC** >MPM2000-002P8_breast_Table1_824 GAACTTTCAGCAGAAGCGCTTGCCGGGAGCAAAGGGACAGAAAAGCTGAGATGAACAGTGC CGCAGCAATCACAGCCGGG CAAGGGTGCTCCGAGCCTCGCATCCCC >MPM2000-002P8_breast_Table1_825 **AGTTGACTCCAGATGCTA** ACATCAGAGAAGTTGGCCTTGAGGGGGCATTGTTGATCTTACTAGACAAGGAGACAGATGA **GAGATTATGCCATGATATC** AAAGAGACTTTAAATTATATGCTTACATCTATGGCAGTGGAAAAACTCTCCCTGTGGTTAAAG CTTTGTAAAGACGT >MPM2000-002P8_breast_Table1_826 TACCAGTGGCCCTGGTGGATGCACCATAGATGAGGAGCCTGGGAGCCTGGCCAGGTTTCT **GCTGGT** >MPM2000-002P8_breast_Table1_827 ACAATAGCATGGGAACCATTAACCAGCAGGCCATGGACCAACTGCAGTATCCTTTGTGACCC AGAACAGCACCAAGGTCA GAGGGCACCTGTATTCATAAACCAGCTGCCTGACTGTGAATCCTGATGAATCAAGCTCAAAA

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TAATAATTAAATAGTGA
ATTGAGCATCANCTAGAATAAAATAAAATGAGTAGGCATTCCTAAGATGTGAAATGATCACCT
AAGATATACATGCTCCA
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CTCTGCTGTCCCATCTA
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CTATCCCTTATCTCAA
ACACATACAAAACAGA
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CTAATGTCTCCCAAT
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TTAAATTAAGAAATTTA
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GAAGTTGAAGTGGAGTTT
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TCCCTGGCCACCCT
GGGTCACACTGTGCTGCCTAGGAACTCTACAGCAGTGAATGCCTGCATGATTTATTT
MPM2000-002P8 breast Table1 834

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Table 5

ACGCGGGACAAATAAGAAGGCTTCCTGAAAGCACTGCTGCTTGGCATACTTCTTGTAGTAACCCTGTCACCGTCTGCTT

TTTGAAGCTAAACTAGATCCAAGAAATTGACATAAATAATGAGCAAGAAAATGATTATAAGAGGATATTGCCTCATTTTC

CACATATATTCCTTATTCTGAAGACTACTTTGAGGTCAACATTCCAACAGACCTACGAGCAAA ACATTCTGGGGAAATAA

GTGAGAGAAAGGAAATTGAAGAACTATCAGAAGCTTCAAGAAACACCATACCACTAGCAGTGGTGCTTCCCACTGAAATT

CCATGTGAGAATCCTGGTGAAATATTCATAANTTTGAGAGATGAAGTAATTGGTGATACTGTA GAGGTTGAATTTACATC

AAGTAATAAGCGCATTAGAACACGGCCAGCCCGTTGGAATAAGAAAGTCTGGTGCATGAAAGCTTTAGAGTTTCCTGCTG

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TTTTTCAAAATTATTTTTCAGTTAAGGCAATTACAAACTTATCATTAGTTATTAACTTTGATGC CAGGTATACTATCCC

ATGCCACAAAGGCAGCTCATTTTGATATAGACTGGGGCAAAGAAGATGATTCCAATTTGT TAATTGGCATCTATGAAT

ATGGATATGGAAGCTGGGAAATGATTAAAATGGATCCTGACCTCAGTCTAACACACAAGGGA
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TTAACCACTGT

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ATGGCCAAGTTTTGCA

AAAACAGGAAGCAGTGAGATACTTGTTTTTTTCTCCTCACTAAATATCAGTAATTGTCAGGAA TGGTATTACCTATTTTC

ATTTCCTCTTTTCAGCTTTAAGCTNTGTTGATTGGGACACTAAAACTGATGTATACCTGAGGA AAAAATAGAATGTGCTC

GCCAATCTGCTTCTGTAGGCTATAGAAGAAAACCAGTTGTATTTTAT

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AAGTTGGGTCCACTGTTTAGGGTTGACTGCCTGT

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GGNCACAAANCCACAACAAACGAGCCGGGAGCANAAAGNGGAAAGCCNGGGGAGCCAA ANGAGNGAGCGAACNNACAA

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nnnnnncgganngcggaanggggcggcacaaanccgcanacacgcgnaacagannngcn GGAGCACGGACGNAACGGC AGNGGCGAGCGGAACAGCNAACTCAAAAGGCGGGAAAAACGGGNGAGCCACAGAAANNAG **GGGGAAAAACGGCAGGAAAA** GAAAAANGGGGAAGCAAAANGGCCAGCAAAAAGGCCAAGGAAACCGAAAAA >MPM2000-002P8_breast_Table1_840 TACAGGGCCCTGGTGGATGCACCAAGATGAGGAGCCTGGGAGCCTGGCCAGGTTTCTGTC GAGCGGCCGCCCGGGCAGGT **ACCTGACTGTGATTTCAAACCCCAGGTGGTTACTGGAGCCCATACCTAGGAAAGGAGGCAA GGATGTATTCCAGGTAGAC** ATCCCAGAGCACCTGATCCCTTTGGGGCATGAAGTGTGACAAGTGTGGGCTCCTGAAAGGA **ATGTTCCAGAGAAACCAGC** TAAATCATGACACCTTCAATTTGCCATCATGACGCAGACCTGTATACATTAGGTTAAATCTGA **ATTTCCACTGCTTTGGA** GAGTCCCACCCACTAAGCACTGTGCATGTAAACA >MPM2000-002P8_breast_Table1_841 CAACTTTAAACTGTATTGTATTCATGTTGCTAAACAATATTGGCCTTCTCGATGATTTTATTCA **TGTTGCTCCAAAGTTA** AAACCCTGTAGAACTAAGTAGGTGAAGAGATATTTTGTATAAGTGCCACAGAAGAGAAAATAT **AATAATAAATAGTGAAT** TGAGCATCACTAGAATAAAATAAAATGAGTAGGCATTCCTAAGATGTGAAATGATCACCTAAG **ATATACATGCTCCAACC** ATATTGATTTTAGAACAAAACACAGCAGCCCATAACAGTTTGTGGCCTCTACTAACTGTCCTC **TGCTGTCCCATCTAGAG** GTTATGTTTCTCTATTTTTAAAATAAAATGTAGTTAAAATTAGCCTGACGGATGTTTCCTCTCTA **TCCCTTATCTCAGACA** CATACAAAACAGACAGACAATAACAAAAAGACATCATCTTTATCTGT >MPM2000-002P8_breast_Table1_842 TACCAGTGGCCCTGGTGGATGCACCATAGATGAGGAGCCTGGGAGCCTGGCCAGGTTTCT **GCTGGT** >MPM2000-002P8_breast_Table1_843 CAGCAGCTTTGCATGTTGACAAATCCACTCTCTGCTGCAGATGCCTAGGGGAAGTTGCAGAC TTAAATTTTCTTTTGTAA **AAAAGT** >MPM2000-002P8_breast_Table1_844 ACGCGGGGGTGGAGAGGACCATGTGAAGAGAGAGCTGAGACTGAAAAGGATTTATGTATT AATATTGACAGAAGCCAAG GAACACCATCTGAAGTTCTGACGGCAACATCAGAAGCTAAGAGAAAGGCATGGAAAAGATTC TCACCTAGAGCATCCAGA GGAGAGGTTGGTCCTGCAGACACCTTGTTTTCTGACCTCTGACCTCCGCAACTGTGAGGGA **AGAAATTTCTGTTGCTTAA AGACACACAGCTTGTGGT** >MPM2000-002P8_breast_Table1_845 **GTCTGGGAGGAACTACA GTTTTCCCCAGAGTAGTCTTGGCGGACTACTGGAAGTCACAGCCAAÁGAAACTCTGTGATTA** CTGCAAGTGCTGGATAGC AGACAATAGGCCTAGTGTTGAATTTCATGAAAGAGGAAAGAATCATAAGGAAAATGTGGCAA **AAAGGATCAGTGAGATTA** AACAGAAAAGCCTGGATAAGGCAAAGGAAGAAAA >MPM2000-002P8_breast_Table1_846 **GTAAGACCTGTTGCCCCT**

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Table 5

TTGCCTTCTGCCATGATTGTAAGTTTCCCGAGGCCTCCACAGAAGCTGAACAGATGCCAGTA **TCATGCTTCCTGTATAGC** CTGTCGCCTTTGGGCAGCTGGACACCTCACCCACGCTTCAGGCTGGAGCCTTCCTCATCTT **TATTAGGTGTCTTAGAGGC** AAGTGCCGGAGGTAACATCCTCCTCTGCATTTCCTACACTGACAAGGAGAATGCTGTGGCTC TACGCAGNCATCCTTTTA -CAACTTTTGCCAGGGAGCAAAG >MPM2000-002P8_breast_Table1_847 ACTGCTGTGTAGCAAACAGCCCTAAACCAAGTGACTTAAAACAACCATTTTCTTTGTTACAGT TTTGCTTTCCTGGGTTG GGCTCAGTTGGGCGGGTTTTGCTGGTGATCACTCTAATGGCTGCTTTTCTCTCCAAGTAGCC TTTCCAGCAGAGTTGCTG GCCTTACCTGGTAGCTGATGGCTTAGGGCTCACAAGAGT >MPM2000-002P8_breast_Table1_848 ACGCGGGGTCGCCAACTTTGGGAACCACCAGTAGGATGTGGTTAAGATTCAGTTCTTGCTG **AGCTAAGGAAGCATTTCTC** TTGAATGTCAAATGTC AAAAAATTAATTGGGTGATCTTTCTCCATTTCTAGGATAAGAAGAAAAGAGAAAATGAAGTG **ACCATCCAGCCTTTCCC** AATTAGACTTCCTCCTCCACCCCTCATTTCCTTTTTGCACACATTACAGGTGGTGTTTC **TGTGATAATGAAAAGCA** TCAGAAAAGCTTTTGT >MPM2000-002P8_breast_Table1_849 ACCGTGTTTTAAGCTTAGTTCAGTCTCAAGTGTTTGCAGCCACATCTGAAGACCAATAAAGCA **ACTGCTGGTTTATCCTT** TGGGAGCTGACAGAATTCTTCTCCCAAATACATACACAGTAAAATCATAAGCCTGGAATGAA GAAAAAAAATCTTACG GGCAATGCAATGGCTGCAAAACTATAAGGATTAGAAATGTGAACCCACÀTTTTAATCCAAATT **AGGGCAATTTAGAGGTG** GTAGCGTAAAGAATAGCTTGCTGTAATATACGCCATGCTGATACAGAATTGGCTTTTGGCCTT **GTCAAAATTAAATTGTG** CCTTTCTGTATTGATGGTGGGCATG >MPM2000-002P8_breast_Table1_850 ACTITGGCCTCTCTGGGATAGAAGTTATTCAGCAGGCACACAGAGGCAGTTCCAGATTT CAACTGCTCATCAGATGG CGGGAAGATGAAGACAGATGGTGCAGCCACAGTTCGTTTGATTTCCACCTTGGTC >MPM2000-002P8_breast_Table1 851 GTGGTATCTGGGAGCCAGAGTAGCAGGAGGAAGAAGCTGCGCTGGGGCTTCCATGGTT **CCGTCTGGGTCCTAACTGAG** CAGTTCCTCCCCCGCGT >MPM2000-002P8_breast_Table1_852 GTGGTATCTGGGAGCCAGAGTAGCAGGAGGAAGAAGCTGCGCTGGGGCTTCCATGGTT **CCGTCTGGGTCCTAACTGAG** CAGTTCCTCCCGCGT

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GATGTTGGTCTAAACCCTGCTTGATAGGATGATTGAGTAAATTCAAGAAAGTGGTAATGAGG GCTGGNNNTGCGGTGGCT

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GCCAACATG

>MPM2000-002P8_breast_Table1_854

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ACAACTITAAACTGTATTGTATTCATGTTGCTAAACAATATTGGCCTTCTCGATGATTTTATTC **ATGTTGCTCCAAAGTT** AAAACCCTGTAGAACTAAGTAGGTGAAGAGATATTTTGTATAAGTGCCACAGAAGAGAAAATA TAATAAATTAAATAGTG **AATTGAGCATCACTAGAATAAAATAAAATGAGTAGGCATTCCTAAGATGTGAAATGATCACCT AAGATATACATGCTCCA ACCATATTGATTTTAGAACAAAACACAGCAGCCCATAACAGTTTGTGGCCTCTACTAACTGTC** CTCTGCTGTCCCATCTA GAGGTTATGGTTCT >MPM2000-002P8_breast_Table1_855 TACCAGTGGCCCTGGTGGATGCACCATAGATGAGGAGCCTGGGAGCCTGGCCAGGTTTCT **GCTGGT** >MPM2000-002P8_breast_Table1_856 AGAAAGACAAAGGTGTCCAAGAATCTGCTGCGCATGAAGTTTATGCAAAGGGGACTGGACT CAGAAACCATGAAACA >MPM2000-002P8_breast_Table1_857 CAAAGGCTTCTATCCCAGC GACATCGTCCGTGGTAGTGGGGAGTAGTCATATGGGGGCAGGCGCGGTAGTAATCATACTT **ATCATAGGAACTGCCCCCC** GCCCCCCCAAAAAATT CTTTTTTTTTCCCCCCCCC TTTTCCCCCCCCCCCCCCCC TTTTTTTTTTTTGTCCCCCCTTTTTTTTGGGTTTTTTTAAGAATAACAATACACCCCCCCTT TITTITTTCCC CCCCTTTTTTTTTTTAAAAAA >MPM2000-002P8_breast_Table1_858 ACGCGGGGGACGCGCTCTGTGGAGAAGCGGCTTGGTCGGGGGTGGTCTCGTGGGGTCC TGCCTGTTTAGTCGCTTTCAG GG >MPM2000-002P8_breast_Table1_859 ACCAATAAGCATATTGCTTTGGCAATGCATCTCCAGAGCAGGTGACCCTGGCCGTCTGTCCT **GGGGACACTGACACCG** >MPM2000-002P8_breast_Table1_860 TCGCACTCATTTACCCGGAGACAGGGAGAGGCTCTTCTGCGTGTAGTGGTTGTGCAGACCC **TCATGCATCACGGAGCATG** AGAAGACGTTCCCCTGCTGCCACCTGCTCTTGTGCCACG >MPM2000-002P8_breast_Table1_861 ACGCGGGGGAACTGCTCAGTTAGGACCCAGACGGAACCATGGAAGCCCCAGCGCAGCTTC TCTTCCT >MPM2000-002P8 breast_Table1_862 **ACGCGGCCATCCAGCAGAGAATGGAAAGTCAAATTTCCTGAATTGCTATGTGTCTGGGTTTC ATCCATCCGACATTGAAG** TCTGACCTTATCTGAAGTAAATGTGAGTAGCAGGAAGTTGTATAACAAGGTGGGGAGGCCAT ATTCAGTAACTTTCGTTT TTTTGGGCCCCCCTTTTTTTTTTTTAAAATTTTTTTGGCCCCCCAAAAAAAGGGGGGG TGCCCCCTTTAAAAAAA **GGGGGATTTTTTTTTTT** TITTGTGCCCCCCCC >MPM2000-002P8_breast_Table1_863

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ACTITGGCCTCTCTGGGATAGAAGTTATTCAGCAGGCACACAACAGAGGCAGTTCCAGATTT CAACTGTCTCATCAGTAT >MPM2000-002P8_breast_Table1_864 ACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCAC **TGGTATCCCAGTCCAGGTT TCAGTTG** >MPM2000-002P8_breast_Table1_865 ACCAGCAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCTATGGTGCATCCACCAGGGCCAC **TGGTATCCCAGCCAG** >MPM2000-002P8_breast_Table1_866 **CTGGTATGCCAGCCAG** >MPM2000-002P8 breast_Table1_867 ACACTTTTGGTCAGGGGACCAAGCTGGAGATCAAACGAACTGTGGCTGCACCATCTGTCTTC **ATCTGTCCCG** >MPM2000-002P8_breast_Table1_868 GGGAAGATGAAGACAGATGGTGCAGCCACAGTTCGTTTGATCTCCAGCTTGGTCCCCTGGC CAAAAGTGTACCTTGGCGC **GCTCTA** >MPM2000-002P8_breast_Table1_869 ACGCGGGATGGCACATGCAGCGCAAGTAGGTCTACAAGACGCTACTTCCCCTATCATAGAA GAGCTTATCACGCTTTCAT >MPM2000-002P8_breast_Table1_870 ACACTTTTGGCCAGGGGACCAAGCTGGAGATCAAACGAACTGTGGCTGCACCATCTGTCTT CATCTTGCCGCCATCTGAT GAGCAGTTGAAATCTGGAACTGCCTCTGTTGTGTGCCTCGCTGAATTAAC >MPM2000-002P8_breast_Table1_871 ACTITTGGCCAGGGGACCAAGCTGGAGATCAAACGAACTGTGGCTGCACCATCTGTCTTCAT CTTCCCGCCATCTGATGA GCAGTTGAAATCTGGAACTGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCA >MPM2000-002P8_breast_Table1_872 ACCTGGATCTTCCAAGCACAGCCACTTGTGTGAACATCCCTGACCTGCTTCCTGGCCGAAAA **TACATTGTAAATG** >MPM2000-002P8_breast_Table1_873 ACGCGGGGCTGCTCAGTTAGGACCCAGAGGGAACCATGGAAACCCCAGCGCAGCTTCTC TTCCTCCTGCTACTCTGGCT CCCAGATACGCACCGG >MPM2000-002P8_breast_Table1_874 ACCAGTCAGGTTGTTCATTTGAGCCAACAACAGATTTCTTGGTTATTGTGCTATTGCCACACC **TGGGTTGGTGGTTTTAT** AGCCATTTCCATCAGTTTCCTGTCTCTGCTGGGGGGTTATCTTAGTGCCTCTCACGAATC **GGGTGTTTTTCAAATTTC** ACTCATCACTCTGT CCATACGCGATCACAATATCCTCTAGTTCTTCCATCACAGTCTGCGCACATTTGGTCATCAGC TGGAGAGCACGGCTGTC ATTGGGTTTTGCAAAGTTGTGCTTCTCAGCAAACCGATGGAAATTCCGGCCGCTCTAG >MPM2000-002P8_breast_Table1_875 TACCAGTGGCCTGGTGGATGCACCATAGATGAGGAGCCTGGGAGCCTGGCCAGGTTTCT **GCTGGT** >MPM2000-002P8_breast_Table1_876 ACATCAAATCGACTTGCCGAGTTGTGCAGCGTAACAAGGAAAAAGGGAAAATCAGCTCCCTC **GTGAAAGATGCTTCTGTT** CCTCTGATTGATGTTACAAACCTCCCTACTCCTCGAAAATTCCTTGATACCTCTCACTATTCTA **CTGCTGGAAGCTCAAG**

> Page 143 (of 176 pages in Table 5)

TGTGAGGGAGATAAATCTGCAGGACATCAAGGAAGATTTAGAATTGGATCCAGAGGAAAACA **GCACCCTGTTTATGGGTA** TCCTCATTAAGGGCTTGGCGAAACTGAAGAAGATCCCAGAAACAGTTAAGGCAATCATAGAG CGCTTGGAGCAAGGAGTT GAAGCAAATTGTGAAGNAGGTGCTACAACCCAGGTGGCAGTACAGTGGCTATC >MPM2000-002P8_breast_Table1_877 **ACTCCGCTTCTTGGATGTTTTGTCTCTCTTGGCTGCACTGGCCTGCTCTGCTGGAGACACA** TGGGCTTCAGAAGTTGGC CCAGTTCTGAGTAAAAGTTCTCCAAGACTGATAACAACCTGNGAGAAAGTTCCAGTTGGT >MPM2000-002P8_breast_Table1_878 **ACTTCTTTGCAGTATACAAGGACTAACAGTTAATATTGACCCAATCTTATATACGTGGCTCAT CTATCAGCCTCAGAAAC** GAACAAGTAGACATATGCAACAGCAGCCTGTGGTAGCTGTTCCTCTTGTTATGCCAGTTTGT **AGAAGGAAAGAGGATGAG** GTGTCTATTGGAAGTGCCCCCTTGGCAAAGCAACAATCATATCAGGCCTCTGAATATGCCAG CAGCCCTGTAAAAACAAA AACGGTAACAGGTTGAAGAAGTTCTCCTGGATAATATCCTGAAGACTA >MPM2000-002P8_breast_Table1_879 ACGCGGGGCCAAAGGCTGGAAGAAATTGAGCCAAGAGCTGGAAGCCAGAAGTTCCCCA **TGCCTGCCCTACACATCCAG** GCTCTGAGTTTTTACTTTTTCTACTATATTGCCATGCAAGTAACTTTAACTTTGCTTCTGTT **CTCTGTCACTGAGAAA** TACCATGTCTCCATGGCAATAGGAATGCATTTACCTTCACCAAACCTGCTCAAATCCTTGCTG **AACAGGACGTAGCAGGA** GTTGACTTTCCAATGGTTGGAGGTTCAGAGTACCTNGCCCGGGCGGNCCGCTCGAGGGGA **GGGGCCCGGGTACCCACGCT** TTTGTTTCCCTTTAGTGGAGGGGTTAATTTGCGCGCTTTTGGCGTAATCATGGGTCATTAGCT **GTT** >MPM2000-002P8 breast Table1 880 **ACTTAGTGAAATATTCTTGGTAATATCATTCAGGTGGACTTTGGCATCATAATCAAATAATTTG ATTTCTACTAACTGTT** GAAGAACTTTGTTAGCCACTTTGCTTATTCATTACATTTTGGTGATCTTAAGCGCACATTAATT ACCCTGTCTGTTTAGC ATGTCTTGCTGTTCATCTTGGAATTATTTGTTGTTTAGGGACACTTATCTAGTTTCCAGCAGTC **TGCTTTTA** >MPM2000-002P8_breast_Table1_881 TACCAGTGGCCCTGGTGGATGCACCATAGATGAGGAGCCTGGGAGCCTGGCCAGGCTTCT GCTGGT >MPM2000-002P8_breast_Table1_882 **ACCTGACAACAAGAGCATTTTAGAGTAATTAATTAATAAAGTAAATTAGTATTGCTGCAAATA GTTAAATTATATTTAT** TTGAATTGATGGTCAAGAGATTTTCCATTTTTTTACAGACTGTTCAGTGTTTGTCAAGCTTTC **TGGCATAAATATGT** >MPM2000-002P8_breast_Table1_883 ACAACTTTAAACTGTATTGTATTCATGTTGCTAAACAATATTGGCCTTCTCGATGATTTTATTC **ATGTTGCTCCAAAGTT** AAAACCCTGTAGAACTAAGTAGGTGAAGAGATATTTTGTATAAGTGCCACAGAAGAGAAAATA **TAATAAATTAAATAGTG** AATTGAGCATCACTAGAATAAAATAAAATGAGTAGGCATTCCTAAGATGTGAAATGATCACCT **AAGATATACATGCTCCA ACCATATTGATTTTAGAACAAAACACAGCAGCCCATAACAGTTTGTGGCCTCTACTAACTGTC** CTCTGCTGTCCCATCTA GAGGTTATGTTTCTCTATTTTTAAAATAAAATGTAGTTAAATTAGCCTGACGGATGTTTCCCCT CTATCCCTTATCTCAG **ACACATACAAA** >MPM2000-002P8_breast_Table1_884

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ACTCTGGAGTCAAAACGAATCAGTTTTATATAATCAATTATTTTAGACTATCCGAAGCATAATG **CTTAAGTTTAAAAGAG** GAGACAAAAATAGGAGGACAAGATACTTGAGAGGCTGTGGCACTAGGACTGCTTGAGAGCC CAGGAGTTGGAGGCCAGCC TGGACAACATAGCAAGACCTCATCTCTGGTCAGACATGATGACGGTGGCTTCACCCGGGGG TCTCCGCACAGCAGCGGCC TCGGGTAAGCAGAACCTCGCTCCGGGGTTTACAAATCCTTCTCCCTTCCCCACAGCACAACA CCGCGGCTCCCCGCGT >MPM2000-002P8_breast_Table1_885 ACATAATGCAGGATCTGATGTCCTCCTCTGGTAAGCAGCATGCACCGCATAAACAGGTCCTT CATGGCCTTGAAGATGCA CTGCTTTTAAAAGCTGATTATCCTCTATTTCCCAGTGAATCACTTGATTATCAGATCCTTCCAA **AAACTAATTCAGTAGA** AGGGGAGCCATCCTGTTTACAAATCCACTGTATGCAATTGACTCGGGCGGTGTGACCATTCA **AGTTGGTAACAACAACCC** TTTTCAGGGGGTCATAGAGCACCACGGAGCAGGACGTGCCAAAGGCCAGAAAGTCCTCCCC CGCGT >MPM2000-002P8_breast_Table1_886 GAAAAAATGTATCTGCAG **AAGGCCAGCATTCTAATT GGAAAGAAGAAGAGGAAATTTCCCTCTGCAAGGGGGCTAATTTGCCAACTGGTGATATTGT** TCAGTTCAAGGGAATGAA GAATTCAGAATAATTTTGGTAAATGGATTCCAATATGGGGAATAAGAATAAGCTGAACAGTTG **ACCTGCTTTGAAGAAAC** ATACTGTCCATTTGTCTAAAATAATCTATAACAACCAAACCAATCAAAATGAATTCAACATTAT TTTCCCA >MPM2000-002P8_breast_Table1_887 ACAACTTTAAACTGTATTGTATTCATGTTGCTAAACAATATTGGCCTTCTCGATGATTTTATTC ATGTTGCTCCAAAGTT AAAACCCTGTAGAACTAAGTAGGTGAAGAGATATTTTGTATAAGTGCCACAGAAGAGAAAATA TTATTAAATTAATTGGT GAATTGAGCATCACTAGAATAAAATAAAATGAGTAGGCATTCCTAAGATGTGAAATGATCACC TAAGATATACATGCTCC AACCATATTGATTTTAGAACAAAACACAGCAGCCCATAACAGTTTGTGGCCTCTACTAACTGT CCTCTGCTGTCCCATCT AGAGGTTATGTTTCTCTATTTTTAAAATAAAATGTAGTTAAATTAGCCTGACGGATGTTTCCTC >MPM2000-002P8_breast_Table1_888 TATAGGGCGTANTGGAGCACATCGCGGTGGCGGCCGGCCCGGGCTTGTACTTCCTTTTTT TATGACTAAATTTTACTCT ATTGTATGGACATGACACATTTTGTTTAAATTGTATAGGTATGCCATACTTTAAGTTTGTTCCA TAAATCACTTCATTAA **GTCTCGAAAAAAAA** AAAAAAGAATGTGTATCTACCCGCAGTTGTCAGGCGCAGTATCCATATATGTCATTTAGGTCA **AGTTTGTTGTTTTTCAA** CTCTTCTGTATTTTTACTGACTTTTTTGGTCTAGTTGTTTAATCATTCACTGAGACAGGTGTGT **TAAATCTCTCATTGGG GTGATGATTTATCTAGTTCCCATTTTAATT** >MPM2000-002P8_breast_Table1_889 ACCTGCAGGCCTCCTACACCTACCTCTCTCTGGGCTTCTATTTCGACCGCGATGATGTGGCT **CTGGAAGGCGTGAGCCAC** TTCTTCCGCGAATTGGCCGAGGAGAAGCGCGAGGGCTACGAGCGTCTCCTGAAGATGCAAA >MPM2000-002P8_breast_Table1_890

> Page 145 (of 176 pages in Table 5)

CGCTCGTGATCTAGATAGTGAGCGGACGCGTGGGTCGACTCAAGACTTTTAAAGATTTATCA **AAATTTGGTGAGCCGAAT** CTCAGAAAATTGGTGAATTCGGTTAGTTCCCAATAGGCCGCAGTAGTAATAAGTGGAGTGTT **CGGGATATAGAAAAATTT** TCACGAATGGAATTAAAATTTCTAGGCGAATTCAGTGAGTTCCCAATGGGACATGATTGTATG **AGTGAGCTTTTCAATAT** ATAGCAACATTTTAGGTTCAGAAACTAAGTATCATGGTGAATTCAGTAGGTTCCCAATAGGAA **TCGCATGTAATAAG** >MPM2000-002P8_breast_Table1_891 ACAAACATGTGCCACGTCACCACACAAACCAAAGTCTGCTCAGAGAGGTGGGCTATGGTG TGCAGGCTGCAACCTTTCT CTGCAATTGTTAAGTCTTCAAAAATCTGAGTTCCTCACATAAAATTCTGTGCTGTGGCCAGAG CTCGTTTTACCATTTTC TTAGATTGGATCACTTTTAGGATCAGCTTCGTTGTTCTTTGCGTAGACAATGACTCTCACAGC TTTCTCCAAGTGTCCCA GAAGCACTAACTTACTGAAAATAGAATCTCATCAAAGCTTAACATATTCACTCTGAAAACAGC GGAGCTGCTGGGTCGCT TAAGGAAAGCTGAGAACCTCAAACCTGTGGAAAGGAAAACCAGTGACCACTTGTGGCCTTAT **AAAGT** >MPM2000-002P8_breast_Table1_892 ACAAACATCCACACCAGAAGAGCAAGACTTAGAAATGGCATCAGAGGGAGAGCAAAAGAGG **CTTGAAGAATATGAAAATA** ACCAGCCACAGGGAGAGAATGGGTCATAAAATCAACCCAACTGGCTATCAAGAGAATTATAC CTTGCAGAATGGCACCTT **TGGTATTAGCGT** >MPM2000-002P8_breast_Table1_893 CTATTTTGTCAAACTCCTT TGGACAAATATTCAACATTCAACAACAAGCTTTGTAAACCTAACGCTAAACAAGTCATGGCAA **GCAAACTGGATTTTCTT** AAGAAATGAGGAAAAGTGCAAGTGATCTCAGT >MPM2000-002P8_breast_Table1_894 ACTTCTTTGCAGTATACAAGGACTAGCAGTTAATATTGACCCAATCTTATATACGTGGCTCAT **CTATCAGCCTCAGAAAC** GAACGAGTAGACATATGCAACAGCAGCCTGTGGTAGCTGTTCCTCTTGTTATGCCAGTTTGT **AGAAGGAAAGAGGATGAG** GTGTCTATTGGAAGTGCCCCCTTGGCAAAGCAGCAATCATATCAGGCCTCTGAATATGCCAG CAGCCCTGTAAAAACAAA AACGGTAACAGAATCCCGTCCATTGTCAGTTCCTGTTAAAGCCATGTTGAATATCTGAAAG **CTGTAGAAGTCCTGAAG** AAAGAATGAAGGAATTTATTGGAATTGTTTGGAATGC >MPM2000-002P8_breast_Table1_895 **ACTTACTTGATGTGACTCTCCTCTCATGCCTGGGCCCTGCTTACAGGTGTGATTGTGACACA** TAGCTTGGCCTAGCCCCT AGGTTATGTTACTCTCTCTTATCCTTCAGTTATTTTCACAAGGGGCATTGTGACATATTGCT **GGACTGGGAACCCAGGT** >MPM2000-002P8_breast_Table1_896 **ACANAGGCAGNNCCAGANNNC** AACNNTTTANCAGANGGGGGGAAGACCCCCNACAAAAGGNGCAGCCACAGNNCGNNNGAN **CNCCAGCNNGGNCCCCNGAC** CAAAAGNGNACCNGTTTTNNCGGCCNTTTTTAGAACGNGGGGGGNCCCCCCCC >MPM2000-002P8_breast_Table1_897 ACGCGGGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGA **AGAGAAAAACATTAAAAA**

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ATGACAAGGAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGAA **GGTAATTAATGCCCTTGTA** AGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGCCATGTGAGGAGCCAAGAAGCCGGCT GTCTGCAACCTGCAAGAGG ACCCTCACTAGAAGCTAGCCATACTGGCATCCTCATCTTGGCTTTCCAACTTCCAGAACTGT GAGAAGTATATGTTTGTG **GTTTAGTCAATGGTCTATGGTAATTTTT** >MPM2000-002P8_breast_Table1_898 ACGCGGGGGACGCGCCTCTGTGGAGAAGCGGCTTGGTCGGGGGTGGTCTCGTGGGGTCC TGCCTGTTTAGTCGCTTTCAG GGTTCTTGAGCCCCTTCACGACCGTCACCATGGAAGTGTCACCATTGCAGCCTGTAAATGAA **AATATGCAAGTCAACGAA** AAAAAAAAAAAAAAAAAAGT >MPM2000-002P8_breast_Table1_899 ACTITITITITITITITITICAGGTCTCCAGGAAAGATAGTTAAGGCTATGCTAGTGTAAG TCTTTATGGCTTGCAT **ACTGCAATAGGAAAGAAA** CACATATATATTTTATTCTCCATTCACAGCCCTTTGGGTTATAGTCTTTTCCCATATAGCAGA **TACTATACTAAAAAAA** ATTGGGGTGGAGGAATCTTCACTGACATCACAAGGTGATTTTTGAATCCGACTTTTACAGTCT **GAAATTCAGACTTCCTG** CCCTACTGCAATGGGAGTAAAAACCACCTGAACC >MPM2000-002P8_breast_Table1_900 ACGCGGGGGTGGCCCAGGGATTTGAACCGCGCTGACGAAGTTTGGTGATCCATCTTCCG **AGTATCGCCGGGATTTCGAA** TCGCGATGATCATCCCCTCTCTAGAGGAGCTGGACTCCCTCAAGT >MPM2000-002P8_breast_Table1_901 ACAACAGTTTTTTAAAAGATTTCACTGACATTTGCAACAATTTTTTTCTAATTTCTTTTGGTGCC ATTITAGTAACTTAA CAATTGCTTTAATAGACAAAACTCAATCATGCATGATCACAGCTGAGAAAATAGAGGCG TGCTTACTAATGGCAGC ATAGAGGGACTCCAGTGTC AGGCAGGGGCACTGAAATCTAGGGGTCACCAAGGGCCACAGCACAGGGGACTGAGGGAGA **ATCCAGTGGCTGGAACTCTC CTCACCAGTCACCTGCCTTC** >MPM2000-002P8_breast_Table1_902 ATGACATGGCTCAGCTTCGGTTTAAAAAAGGTCAGTGTCTATCTGGAAATTTCTACGTGAGA GGTGATGGAACCAGAGTT TACTTCTTCACACAAGAGGAACTGGACACGCTTTTCACCACTGCTGGACTGGA >MPM2000-002P8_breast_Table1_903 ACGCCACAAGAGGGTAAGAAATTATCGCATGGTCTAATACCAAATTTTCCCCCAAATAGAA CCTACCAAGAGATCGAGC AATCAAAGCGTTATCTGTCAAAGCAATTCGCTTCTTATTGATTTTGCCATAACCACGCTTGTA **GATTAGTTCATTTACTG ACTTCAGATTGGGGT** >MPM2000-002P8_breast_Table1_904 GCCGAGGNACGNNACNCCTCGTTCAGGGGANAAAAACCCANGCGNCCCCACGCCCNAACA NGNNCCANAAGCTGTCCNCC ANGCNCCCAGCCNGCCNCACNGNACAACGANNNCNCAGCCCNGGANNGNNCNNCCACAG **ANCNGCNCANCAACNCNGGCN** CCNGACCCNCNCTCCTTTGTGACCCNAGCCCANNCCCACCCCCNGCGAAAGNGACCACAG **CNNCCACCANGGCAAGGGGN** NAGGAAGGNCCAAAGGGCNCNNCAGNGGGNACGNNCAGCNGGAGNGGCANCGAANNGNG **NGCCNNCNCAGNANNGGGCAA**

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GGNAAAGAGC
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ACTCCCTCCAGACATCCGTATATTGGCCTGGGCCCCTGTAGAACCAAGCTTCAGTGCTAGGT
TCAGCTGCCTTGAGCGGA
CTTACCGCTATTTTTCCCTCGTGCTGATTTAGATATTGTAACCATGGATTATGCAGCTTAGA
AGTATGTTGGCACCCAT
GATTTCAGGAACTTGTGTAAAATGGATGTAGCCAACGGTGTGATTAATTTTCAGAGGACTATT
CTATCTTGTTAAGT
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GTTGTGCTACAAGTGCCCA
AGGCCCAACAGTCCTTTTCTCTACAGCTTCTCCTCTCCT
TGATAGTTCACAAGAGAA
GTCGTTTCATTCAAGTTGGTGTAATCAGCTGGGGAGTAGTGGATGTCTGCAAAAACCAGAAG
CGGCAAAAGCAGGT
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GGTTCCACCCCAGCTCCTG
ATCCCAAGAGATACGTTTCCCGGGACTCCAAGGGAGAGCTGAAACACTGGTCAAGCTCAGA
GCCCTGAAGCTCTTTCCCA
CTCCCCGCGT
>MPM2000-002P8_breast_Table1_908
ACTTAATGAGGCTGTATTAAGGAGAGTAACAAGTTCTAATTCTTGACCCATCAAATTCTTAAG
GTGAAGCTGAGGACCAG
GAAGAGAAGAAGATGCTGAGAAAGAAAACATTGAAAAAGATGAAGATGATGTAGATCAGGA
ACTTGCGAACATAGACCC
TACGTGGATGAACCAATGGCCATATTGAGAATGGCCCATTCTCACTGGAGC
AGCAACTGGACGATGAAG
ATGATGATGAAGAAGACTG
>MPM2000-002P8_breast_Table1_909 CTACTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGGG
AGTCCCCTCGCCAGATTCCCT
CCGTCGCCAGATTGCCGGGGGCGCCCTCCGCCACGCAGCCGGCCACCGCCGA
GACCCAGCACATCGCCGACCA
GGTGAGGTCCCAGCTTGAAGAAAAGANAACAAGAAGTTCCCTGTGTTTAAGGCCGTGTCA
TTCAAGAGCCAGGTGGTCG
CGGNGACAAACTACTTCATAAAGGTGCACGTCGGCGACGAGGACTTCGT
>MPM2000-002P8_breast_Table1_910
ACAGAGGTTACCCAGTGTTGCATTACTTTTAAATGATCTTAAGAAGCATACAGCTGATGAAAA
TCCAGACAAAAGCACTT
TAGAAAAAGCTATTGGATCACTGAAGGAAGTAATGACGCATATTAATGAGGATAAGAGAAAA
ACAGAAGCTCAAAAGCAA
ATTTTGATGTTGTTTATGAAGTAGATGGATGCCCAGCTAATCTTTTATCTTCTCACCGAAGCT
TAGT
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TGTGGCTGCACCATCTGT
CTTCATCTTCCCGCCATCTGATGAGCAGTTGGAAACTGGAACTGCCACTGTTGTGTGCCTGC
TGAATAACTTT
MPM2000-002P8_breast_Table1_912
GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACCCATGTGCAGGAGACTGCA
AGGAAGCTGTTATTCAAAGG
TAGAACAGTCAGCCTTGTGCTTGAGTCCTGCTTTTATGCTTGCGTGTTTCATAACAAAACACA
GAGGCAAGTCTTCATAT
CAGCACTTAGTCTTGATATTCCAAGTAGCTGACTACTTGTACCTGCCCGGGC
>MPM2000-002P8_breast_Table1_913

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ACTATAGCTGTAAGGAGAAGCTGAGAAATGATACCCAGGAGCAGCAGGCTTTACGTCTTCAG CCTAAAACCTAAAAAAA AAAAGT >MPM2000-002P8_breast_Table1_914 ACAGGTCAGAGTCTTTTTTTTTTTTTTTTTTGAGATGGAGTCTTGCTCTGTTGCCAGACTGGA **GTGCAGTGGTGCGATCT** GGGCTCACTGCAATCTCCACCTCCCGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGT **AACTGGGACTACAGGTGCG** CGCCACCAAGCCCAGCTCATTTTTGTATTTTTAGTAGAGATGGGGTTTCACGATGTTGGCTA **GGATGGTCTCGATCTCTG** GTCAGAGTCTTTTCTGTAAATATCCTTGGTAAAGAAGCAATTTTAGACTGTAGCTGTTGCAAA **TGCTTTAAGGAAGAAGC AAAACAACTGTCAGTA** >MPM2000-002P8_breast_Table1_915 ACCATCGATCCTAGTGGGACGCGATCCAAAAATATGCCTATTAAAGATAATTGCTTTGGTTAT **GTTTAATGGGAAAGTCT** ATCTGTTTGGCTAAAAAGGGGACCAAGATGTTCTGCCATCACAAATTGACCAACAGAATTCTT **GTTTCTCCTGATACTCC AGTAAGAAAAGACACGTTACAGACAGT** >MPM2000-002P8_breast_Table1_916 AATTGGAGACCCCCGCGGTGGCGGCCGAGGTACAAAGTGTCTTTATGTCCTGTGTTTAACC **CCTTAACATACAGAACCTA** ATTTTACTGCATTTTAATGTTAATTCTCCACTCGAAGGTGAACATGGGATGTTTGTAACACATA **TTGTTGCTTATCAAGC ACACATATGACC** >MPM2000-002P8_breast_Table1_917 ACACTTTGCCTGCTCCAGCCCTGGAATCAGCCATTGCTGCTGTGCTATCCTTGACAGAACTA **TAACCTGAATTTAACAAG** GAGGAAATATCAGGCAAACACAAATGGAGTGACATTCTAGTAAACAACTGATCAGTACTCTTT **AAAAATGAAAGACAAAG AATGACTTGATGAATGAGTTCAGATTAAAAGAGA** >MPM2000-002P8_breast_Table1_918 ACGCGGGGCAATTTGGAGAAGATAGAAGTTTGAAGTGGAAAACTGGAAGACAGAAGTACGG GAAGGCGAAGAAAAGAATA GAGAAGATAGGGAAATTAGAAGATAAAAACATACTTTTAGAAGAAAAAAGATAAATTTAAACC **TGAAAAGTAGGAAGCAG** AAGAAAAAAAAATTATTTAAAANTAAAAAGT >MPM2000-002P8_breast_Table1_919 GAAGTTACTAGGAAAAG GTAAGGGAACTGACTGAGGACACTAGGCTTACCTTTTAATTTCGAAGAGTAACTGGATTATTT CAGGTTGCTACGATTTC TGCAAACGGAGACAAAGAAATTGGCAATATCATCTCTGATGCAATGAAAAAAGTTGGAAGAA **AGGGTGTCATCACAGTAA** AGGCAAGTGTTTTGTATTTTTAAAGATAATTTTGAGTTATCTTATGATCAAAAGTTTGAGTTA **TCTGATGATCAAAACT** GAATTTTT >MPM2000-002P8_breast_Table1_920 ACGCGGGCCGTAACTTTCTATCCGTCCGCGTCAGCGCCTTGCCACCCTCATCTCCAATAT **GCCTGGTCCGACCCCCAGT** GGCACTAACGTGGGATCCTCAGGGCGCTCTCCCAGCAAAGCAGTGGCCGCCCGGGCGGC **GGGATCCACTGTCCGGCAGAG** >MPM2000-002P8_breast_Table1_921

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ACTITITICCTTTTTTTTTTTTTTAAGTGCGTTCATTCTCACTGCTGTTATTGTTTTCTGACA **GCATGTCTGAACCAG** CTAAGTCAGCTCCTGCTCCGAAGAAGGGTTCCAAGAAGGCTGTGACCAAGGCGCAGAAGAA **GGATGGCAAGAAGCGCAAG** CGCAGTCGTAAGGAGAGCTACTCCGTGTATGTGT >MPM2000-002P8_breast_Table1_922 ACCCAGTTCCAGGCCTTGACTCTTGGATGGCATTTCTGGACTTGCCCTGGGCCAGAAGGAA **GCTCACTGCCCTGAATGGA** GAGTTCCAGGCCTGGCAGCATTCACCACAAACTGACTAAAGAGGCCCTGGGCCTGAAGTGA **ACATCAGTGGTAGTCTGGC** AGTATTCCTTATGGACCTGTGGTGGTGGTGGCCATAGGGTGAGGCTCCTCTGCCAGTGGAA GGGGGAGGGAAGAGTAGGA **AGGACT** >MPM2000-002P8_breast_Table1_923 **CGTTGCGCTCACTTGNCC** GTTTTTCAGTTCGGGAAACCCTTGTTCGTGCCAGCTTG >MPM2000-002P8_breast_Table1_924 ACATATCACAGGATTAAAACTCCAGTTAAGCAACTGAGCTAATCATTGAAGTAAATTAAAAAT ACCAAGCTTCTTTAACC TATCAATGCTGTTTTAGAAGCATCATCCGAACAAATAGAGATTTAGTTATAAATTGCTGGGCT **ACATTCTGTGATGAGAA** TTTTGCTTAGTACCACTAGAGGAAGAGAGACTAGAGGCCCAAGAAGAAGTGAAAGTAGAG CTATGTGCCCAAGAAAAC TTGTAGAGATGGAATAAGAACTGAAACAATAGTAGAAACACTTGCCCTGAAGAAAAGGATG GAAAAATGAAATAGATTG ATTITTAGCTGGTAGGGAAGAAGTTAACATAGTCTTAGTCGGTTGTGTTTTCTCAAGGAACT GAGAAGCAGGATTAGTT TTAGAAATTTGAAGAAGGTAGTGAGAGGTGAAGCCAGCTGGGTCGAGTGAGGACTTGGAGA ACTT >MPM2000-002P8 breast Table1 925 ACTIVITITITITITITITITITAAGAACAAAATGTTTATTTTTTGGATATAGACATTTA **AAACATTCATGTCC** AAGAACAGCTTCAATCAGGTATACAATAAGAAATAGACTTTAAATCCTAATACAGAAAAGGTA **ACACGAATTTTTTTGAA** TGCTGCTGTAGACACTAGTGTTAGAAAAAAAGTTTATAAATGGTTTTGCACCAAAAAAATAT **GCAAAGAAACTTGAAAA** TAGAAATTGTTTGCCATTTGTTGCTCTGGTTGCTGTTTAATATAGACCCAGTGACTGATTGTC TTCAGCACACA >MPM2000-002P8_breast_Table1_926 ACTACGAGTGAGTGAGGCTGGGAGGAACACCAACCTAAGCCAGGGTAATGAGGGGGGACT CTTTACCCAGGACCCTGCCC ACTGGCCTTCCTCTCCAAACACAGGTTCCGGCATACCCAGGTGTGCAAGGCCTCAGCA CTGAAGCATGGTGGGGATC TGGCACAGACCCAGCCTGGACAGAGATCTTTGGTGTCTCTCTGTGGCCACCATCAAGTTT GAGATGCTGAGCACAGCC CCACAGAGTCAGCTCTTCCTGGCTCTGGCTGACAGCAGTATCTCCACGAAGGGCACAAAGA **GTGGCACCTTTGTCATGTA** TAATTGTGCCCGTCTTGCCACACTCTTTGAGAGTTACAAGTGTAGTATGGAACAAGGTCTGT >MPM2000-002P8_breast_Table1_927 ACTACGAGTGAGTGAGGCTGGGAGGAACACCAACCTAAGCCAGGGTAATGAGGGGGGACT CTTTACCCAGGACCCTGCCC **ACTGGCCTTCCTCTTCCAAACACAGGTTCCGGCATACCCAGGTGTGCAAGGCTCAGCAN CTGAAGCATNGGTGGGGAT** CTGGCACAAGAACCNCAGCTCTGGACAGAGATCNNTTTGGTGTTCTCTCTGTGGCCACCAT

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CAAGTTTGAGATGCTGAGC

ACAGCCCCACAGAGTCAGCTCTTCCTGGCTCTGGCTGACAGCAGTATCTCCACGAAGGGCA CAAAGAGTGGCACCTTTGT CATGTATAATTGTGCCCGTCTTGCCACACTCTTTGAGAGTTACAAGTGTAGTATGGAACAAG GTCTGT >MPM2000-002P8_breast_Table1_928 TTTTAACTACTCATAC AATAGTCTGGTAACTGGTATTCTTTTAAGCAGGGAACTCCTGGATTCAAATACCTGATAATT AAAGGATCTTTTGATAT TTTGGCAGTTACTCTCACTAAAAGAAGTTACATTCAGCAGATTAGAATGATTCATGAGAAATT CTTGGTTAGTAAATATT TAATCCAGATTTTATAATTGCCTAAATCTCTTTATAGGTTATTTCTTGCAATATTTCAAGATCCT GAGTCAGCCATGCTT ATACAAGCAAACTTTTATTTACTGTGTTTTCTTTGGGCATCTCTGGTGTCTATTAACATAGTACA **AGGTAGTG** >MPM2000-002P8_breast_Table1_929 ACTACCTCCTGGCAGGAGGCCAACCAACACAAAACTAGTGCAATAAACAAAACTACAACTAA GGATCCTCACAAGAGCCC ATTTCACTCCCCTGCCACCCCCCACACAGCAGCTGCTTGTATCCATGGCTGAGAGACCTGAA **GACTTTCACATTACAGGA** CTCTATGCAGACTCCCCCAGT >MPM2000-002P8_breast_Table1_930 **ACTTCTATGTCATCATGGGTCTCAAAGGTGTTGTCAAAATTGAAAAGATACTCAAACTTGTCA CTGGAGATGCTGCAATC** TATGACTGTTTTTCTGCTTGTATTGATGATTATGAATGGCAGCTGAATGGCAGAGTTCACAGC CGGCGGCCCTGGTTTT **GCTGCTTCATTTTGTAAATTTTTT** >MPM2000-002P8 breast Table1 931 **ACCAGATTCTGATTCACTGATAATCGACTCATCTGTTACTAATACTTCCCCATCTGGCTTTCT GCGCAGCACCTTTCTCT** TCATCACTGGCTTTCGGAGTCTTTGGGGGGGCCTCAGAGACTGTTTCTGAAGGGACATTACT TTCTACATGTGGGT >MPM2000-002P8_breast_Table1_932 **ACTGTGCAATGCCTCAGGTTGCACCTGACTTATATGCTGAACTACAGAAGGCACATTTAGTTT TATTCAAGGGTGATTTG** AATTACAGGAAGTTGACAGGTGACAGAAAATGGGAGTTTTCTGTTCCATTTCATCAGGCTCT GAATGGCTTCCATCCTGC **ACCACTCTGT** >MPM2000-002P8_breast_Table1_933 **ACCCGGGGCTGGCTCCTCCAGTGTCTTCTCAGTCCTGAGCAACAGTGCAGAGGTGAAACG GGAGCGCCTGGAAGATGTG** GTGGGAGGCTGTTGCTATCGGGTCAACAACAGCTTGGACCATGAGT >MPM2000-002P8_breast_Table1_934 **ACTITICAAACAACGCGGTAGGCCTTCCCTTTGGGGTCTGCCATGACAACGATACCCCAGGT GGCAATGCTGAAGCCGATG ACCATCTGCGTAAT** >MPM2000-002P8_breast_Table1_935 **ACTGTGTATCATCGCAGTCTTGCTTTTTTGAGTAATGGATTCCTAGATTCTATGAGGATACCA** CAACCACTTTTAAAGAG **GTTTCTAAGGCCAGGTGCAGTGCTTACGCCTGGGAGACCAAGGTGGGAGGATCACTTGAGC TCAGGAGTTTGAGACCAAC** >MPM2000-002P8_breast_Table1_936

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ACCACAAACAGATCGCAGATCCAGGTTTCTCAAACTGGAGCATCTGCTTAATTTTCCCATAAA

ATCAGTCTTATTCTTTC

Table 5

TGACAGCTCTGAGACTCCTCCGGCCACGACTAGGTGCTGTCCTGGAGGAAACGGTGGAGG Α >MPM2000-002P8_breast_Table1_937 ACGGGAGAGACTCATAACTCTCCAGGCCCAGTGCTGGGGGAACCCCTCATGGGAGCAGCT **GTAATGAGGCCTGGAAACTG** GACACTGCTGAGCCCTGACATCCAGACCTCAATGCCCTGACTCAGCCCATGGCAGCGACCC CTTCAAACAGGCTCCATGT GGGCCTGTAATCAGGAAAGACTAGAGCATCCAGGAGTGGAGATTTGATTCTGAGATGCTGG GAGTTGTTCCTGGTTCTTG CTCCTGTCTGGCTGCTGACAGCCAAAAGCGGGGAGTTGTGTGAGCTTTGTCCTTCAGC ACTAGAGGCTTCACTCAAC CCATGAGAAGGGGATGCCCCAGGCTTGCCCATCACAAGCACTGGCCAAGCTGACTCCCCG CTGCTGAGGGAAAGAGAAAG **AAGCCAAGGCTGCTCAAGTCAAAACACAC** >MPM2000-002P8_breast_Table1_938 **AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACGCCTCTGGATTCACTTTTGATAATTAT** GTCATGAATnnnnnnnn nnnnnnnnnnnnnnnnnnnnnnnnnnnnnTCGGCAATCAGTGGNAGTGGCGGTGGCACACACTACG CATACTTC >MPM2000-002P8_breast_Table1_939 ACGCGGGGGGGCCTGAGAATTTACATTTCTAGCCAGCTTCTAAGTGATGCTGATGCTGCT **AGTTTGGAGACCACACCTT** AAGAACCACTGCTGTTGGTCTTGTCTGCACAGTAGATGCACCAAGGCAAATGTTTAGAAGT >MPM2000-002P8_breast_Table1_940 **ACTGCTGACTGCCTGGTCAGTGGGGCAAAGCCAGGCATGAAGAAGTGCAGGTAGG GGAATGGGATGATGTTCATG TATGGTGGCAGATACTAGG** AGGTTTAGGTCACTCTAGGTGGGCATGGGCAGCTTTAGGGTTCTGAAGCAGATGTCATAGA **AGGCTTCATAATCAATGCA** AAAAGTCTCATCTGCATTTGCTATGAGACTTGGAGGGTGACATTGTGGGGGCTCTAGCATGGT **GCCTGACACCTTGGGCAA** GAGCAGAATGCCGAATGGTGTTTAATGATCCTATTTAAATGGTCTGAATAACTGTGATGAATT **TACTTGTATAATCAGAA** TTCAGATTAAAAATTAAGACAACTCTTTTG >MPM2000-002P8_breast_Table1_941 **AAGGCTCTGCACATAATT GGTGCAATTTGAAATTGAATGGCTCAGAAGACTGCTCTGTGAGGAGCAGATTGAGAGGATAA** CACTCATCTTGCCGCGT >MPM2000-002P8_breast_Table1_942 ACTCCCTCCCAAATAGAAACCTCAAAGACTGATCCATTTCCCCTAGGGCCTGGGCCAGG **AGTAGCTCACTGCTCACTG** CTGAGGAGAAAGGCACAAGATATAATGTCATAAGAGCAGGACAGTGGCTCACCTACAGTAG TTCCCTATANGGGGAAAGA AGGGCAGGAAATAGGGCGCAGNGGTCTGTGTCCTGTCCCTGCANCCACCCTGAGCNAGCT **AGTCTTGGGAAGGGATTACA** GGCCCTGGGCCATAGGCTGCTCGCCATTCTGCTTTCCTATCCTGTTTCTCCCCTGTGCTGC TCCCTTTTAGCCAGGGCT GAGAAATGTTCAGCACCTGAGGCAAAACTGCCATAGT >MPM2000-002P8_breast_Table1_943 CATGTGAAATTTTAGTGT TGTGAGCTCTTAAAAGCGACAGAAATTGTGCACTCGGGGAGCTCGGATTTTAAGGCAGTAG CTTGCCAATGCTCCCAGCT

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GAATAAAGCCCTTTCTTCTACAGCTCCGAGTCTGAGAGGTTTTGTCTGTGGCTTGTCCTGCT **ACAGTCCTTGGCTCCCTG** ACCAGGAAGCGAGGTGACTACAAGCCCTGTGGAGCGTCCCTGCAGAGGACTCCGGCCAG **CCTGAGTGACTCAATCCACA** GAGCGCTTCCGGGTAGGAAATGGTC >MPM2000-002P8_breast_Table1_944 ACTITITITITITITITITITITITGACCATCCACATTATCTGTTTTATTTTGGCAAAATGAAAGCA **TCTTAAAAAAAAAA** GGCAATCACAAAATACAGGGCTTTCTTAGAAAGCAACATGCATCATATCTTGAACAAGTTACC CGAGCGGTTTCTCCGTC CTACAAACAGACATGGATCAATCTCTCCTTCTGGGAGCTTCTCTGTCTTTGCCCAGGTCGCT CCCTGAGAGGTGAGGTCT GAACCCACTGGGAAGCAGGACGATGTTCAAGGCTTGT >MPM2000-002P8_breast_Table1_945 ACAAGTTTACACCGTAAGAGGCAACATGGTCAGCCACAATGTCTTCACCTCCACAAGGGCTC **ATCACGGTGGTCAGGGCG** AGGGCCCCAGCATCAGAGCTTTGTTTAGGATCATACTCTTTCCAAGGCAGCCTCAGCAGTT **GCTGTTCTGAGCTGTAGA GCAATTGTCCCCGCGT** >MPM2000-002P8_breast_Table1_946 **TACAGCTCAGCTCTCAGGA** AGCCACATCCATAGGAAAAGGGAGAGAGT >MPM2000-002P8_breast_Table1_947 TATTCTGTGTCTCA CGGGCCACCTGCTGAATGAGAGGACTCCAGTTGAAAGGTCAAGAACATAAAACCACAAAAG CTTTTTGAGTGGGTCTTCA ACTTATTTAAAATAAAAATAAAGGACCTCCCGCGT >MPM2000-002P8_breast_Table1_948 ACGCGGGGAATTCATGTGGAGGTCAGAGTGGAAGCAGGTGTGAGAGGGTCCAGCAGAAGG **AAACATGGCTGCCAAAGTGT** TTGAGTCCATTGGCAAGTTTGGCCTGGCCTTATCTGTTGCAGGAGGCGTGGTGAACTCTGC **CTTATATAATGTGGATGCT** GGGCACAAAGCTGTCATCTTTGACCTATTCCGTGGAGTGCAAGACATTGTGGTAGGGGAAG **GGACTCATTTTCTCATCCC GTGGGT** >MPM2000-002P8_breast_Table1_949 ACTACTATGCTGATCACAAGCTGCTTGATGGGATCCTACTAGATGGACAGGCTGAGGTGTTT **GGCAGTGATGATGACCAC** ATTCAGTTTGTGCAGAAAAAGCCACCACGTGAGAATGGCCATAAGCAGATAAGTAGCAGTTC AACTGGATGTCTCTCTTC TCCAAATGCTACAGTACCTGCCCGGGCGGCCGCTCGATATTATTCTTCAATTCAGCTTGTTA **AACCTCCTTCAGGATTCT** AAAACCTTTTAGACTCTTAAATTGCAGCCTTCCATGTCCCTTGTCCTGCCTCCAGCACACTCT **TCAATAAACAAAAGTCA** ACAGCACCAGGGCAAAACTAAAGGAAGTGCTGGATGGTCTCAGAATTCAGGATGACAGTA >MPM2000-002P8_breast_Table1_950 ACCAACAGAAACCTGGCCAGGCTCCCAGGCTCCTCATCAATGATTCATCCGACAGGGCCAC **TGGCA** >MPM2000-002P8_breast_Table1_951 **ACTTGGCCTCTCTGGGATAGAAGTTATTCAGCGGGCACACAACAGAGGCAGTTTCAGATTTC AACTGCTCATCAGATGGC** GGGAAGATGAAGACAGATGGTGCAGCCACAGTTCGTTTGATCTCCACTTGGCCCCTGGCAA **AAGGTAAAGATTTGTAGAG**

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nnnnnn nnnnnnnnnnnnnnnnnnnnnGGAGGCCCGATTAGAACCCAAATAGATCAGGAGCTGTGGAGAC TGCCCTGGCTTCTG CAGGTACCT >MPM2000-002P8_breast_Table1_952 ACAACTTTGGATTGTCAATTAAAGCTTGTTTGTGGATACTTATCAAACGTTTTTGTGTCTATTT AGTCCTTGNTGAAGCT AAAAAGGAAAGAGAGAGTGAGAGGCAAAGAAAGACAAAGGAGGAAAGT >MPM2000-002P8_breast_Table1_953 ACAGATGATGACTGCAAAATGAAGACCTACTTTCAACTCCTTTTTCCCCCCTCTAGAAGAATC **AAATTGAATCTTTTACT AGAACTGAATGTCAAA** AGTACGTGCCAAGCATCCTCGTGCGACCGCGAGAGCCCGGGGAGCGGTGGCTTGC >MPM2000-002P8_breast_Table1_954 AGNATTTGGTATCTGCGCTCTGGTGAAAGCCAGGTACCTTCGGAAAAAAGAAGNGGGGAGG CTCTNGAACCCGCAAAAAA AACACCGCTGGGAGCGGGGGTTTTTTGGTTGGAAGCAGCANAATACNCNCANAAAAAAAA GACCTAAGAAAAACCCTTG AACTTTTNTACGGGGGCNGACCCTCANNGGGAACAAAAACNCACGNTAAGGGAANTTNGGC **ATGAANAATANCAAAAAAG** GANCNTCACCCAAAACCTTTAAAA >MPM2000-002P8_breast_Table1_955 ACAACGGCCAGCCAATCACCAAAATGGCCTGTGGGGCTGAATTCAGTATGATAATGGACTG CAAAGGAAACCTCTATTCC TTTGGGTGCCTGAATATGGTCAGCTGGGACACACTCAGATGGGAAGTTCACCGCCCGGG CACAGCGTAGAGT >MPM2000-002P8_breast_Table1_956 ACTTTAGATGCAAAGTTTTAGATGTTTGGTATTTGAATGGGATACAAAATTGGGAACTTGGAAT **TTGGGTTGAGACATCTT AAAAAAAAAAAAGT** >MPM2000-002P8_breast_Table1_957 ACGCGGGGAGGAATTAACATACACTAACTTTGAGGAAGATGTGCTCATATACATTATTTTTAT **AATTCAGTCATATGAGG** CATTITATTCACATCCTACATGAGGAGATTGAGAACAAAATATGTAATGTAGATTCAAGTTGC **ACAGTGAGTGAGGCCAG** AGTTCATACCCCAGTCTCGTGGTCTTTCTGCAGCCTCATGATAGAGCAAGGATATTGTCACC **TGAGAAACCAACATTGAA** CCTCCTTCTCTGAAGCCCAGTGAGTGCCCTTCCTCTAGACTCTGGCCACAGCTGGGCCTCC CTCCATCAGCCCACATAAC TCATTGCAGTGTGCTTATCTGTTCACTACTCCTTGTCTTCAAAGGAAACTCCAGAATTGTAAT **AGCTGTATCCTCTTCAT** CTCTGAACCTCCAGGACTTCAAAAGAAGTGACTGGACGTAGTAGGTGCCTGGGAAAGGTTTT TGAATGAATGTTTGAAGA CAGCATCTAGGTGTCCAGCTCCTAGACCTTTCTTTGAGCGACAGTGGGTCTCAGTCTCATCC ATTCAAGCTCCTGTTTGG **GTTCATATTTA** >MPM2000-002P8_breast_Table1_958 **GTGTGCCACCGCCACTACCACTGATTGCCGAGACCCACTCCAGCCCCTTCCTGGAGTCTGG** CGGACCCAATTCATGACAT AATTATCAAAAGTGAATCCAGAGGCTGTACCT >MPM2000-002P8_breast_Table1_959 ACATTTAACAATTGGACATACAGCACTGTAAACAATTCAAAGTCCATTGAGCTTACCATGAAA

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GAACTGAAACGTATGTA

GGAACTGTGTCCTGCAGACAAGCAGCTGCTCTGGCTCTGGTGCGGTGCGGGCAGGAG **GTGAGGTGGGCAGGTGTGGA GCATTAATTCTAAGTAG** TTCTAAGTTCTAAACCATTAACTGTATAGTTAATTTTTTTAAATCAAAGAAGAAAAAGGCTTTC ACACAGATGAATGTAT **GGACAATTATTTTTGGA GTTACTGTCTCTAATTCTTAAAAAGTAAGT** >MPM2000-002P8_breast_Table1_960 ACTCATCAGATGGAATGTTTTACCCTGCCGAGGTTATAGTCATGATGTGCTGAGCTCTCTGC **GTCTGACGTGACTGACTG** GTAGCTGGGCGTTGGCGAGACCCTCCTTTCCCTCTACGATCACATCATGCAGAATTGTGCAC CTATGGGAAAATTAAAAT GATAGACATGCCCGCGGAAAGGATGCATGCCCATCTGTCCAAAGGCTATGCGT >MPM2000-002P8_breast_Table1_961 **ACCTGGTTTTAACTTCATGTGTCTGAAAGCAGCACTGAAGAGGTTAGAAAAGACCATCTTGAT** CTGAGGATGCCACCCCT CTCCCATCTCCCAGCAGCAGCCACGTGGCATGGAGAGAATCTGTGTGCTAGGGAGAGGGA CAGCACAGTGATTGTGAGAT **ACTGCTTTGAACTCAGTGCTGCCCTGTCACAGCTGAAAGCAAAACTGGGCTGAACTCAGCCA GCACCCATCCACACAGGG** AGCATTTAGATGAGCTCTAGCCAGAGAGGAATCGCCCATCCCAGCAGTCTGAATATGAGTTC CAGCAAGCCCCGTCACTG TGGGCTAAATTGGTCCAAGACCTTAAATAAACTTGAAAGGGCAGTCTAGGCCATAAAGACTA CAACCCCTAGACATGTCC TAGTGCTGAGCTGGGGCTT >MPM2000-002P8_breast_Table1_962 ACTCTGCCAGTTTCTCCCACTGCACTCTTATATTCTACCAAAAATTTCTCCATAGCACCAAA **TCCCGCCATTTCCGAG** CTACGATCACCCGCGGCTGAGGAAGGACGAATCCCCCGCGT >MPM2000-002P8_breast_Table1_963 **ACTCCGCCATTTTACGTGAGAGACTTGAGCATTCTTGGATTTGGTATCCTCAGGAGTCCGGG AACCAGTCCTCCATGGAT ATCAAGGGATGACTGTTTTGCCCGTGTTTTTAGCCTTTGTATCTTTGCTAAGAATCCCCTAAAA CCTGGAGT** >MPM2000-002P8_breast_Table1_964 **ACTTCTTTTTTTTCCTTTTTTTTAAGAGTATAAGGTTTACACAATCATTCTCATAATGTGACGC AAGCCAGCAAGGCCA** AAAATGCTGGAGAAAATAACGGGATCTCTTCCTTGTAAACTTGT >MPM2000-002P8_breast_Table1_965 ACTGTCCTTGTTTTCCCTCTGATAGGGTTTGGATCTGTGTCCCCACTAAATCTCATACTGAAT **TGTGATCTCCAGTGTTG** AAAGTGGGGCCTGCTGGGAGGTGATGGGGGGATCATGGGGGGTGGAGTTCTCATGAATGGTT ACCACCATCCCCCCTTCATA CTCTCTCTTGCTCCAGCTCTGGCCATGCGATGTGCCTGCTCTCCCCTTCCCCCTCCACCATGA TTCTAATTTTCCTGAGGC CTCCCCAGAAGCTGAGCAGATGCCAGCCATGCTTCCTGT >MPM2000-002P8_breast_Table1_966 ACTTAGCAATCGGGTTGCCAGCAAAGCACTGGATGCAAGCCTTGCCTTCCAGAAGCTTACCA **GTCGGGTTGCCAGCAAAG ATAATATACAGACGACAT** AAAAGAAAAGAAAAAAA

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GAAGAATNGGGGGTTCTCA GGGTTACAGAGAAGGGGAGGACATTCTGGACAGAAATGGAATGTGTGAAGATATTGTGT >MPM2000-002P8 breast Table1 967 ACCAATAAGCATATTGCTTTGGCAATGCATCTCCAGAGCATGTGACCCTGGCCGTCTGTCCT **GGGGACACTGACACCGAG** GGTGGCTGTCAGTTCATATGAGGCCTCAGAGCCTGTGCAGAGAGTGAGGAGGGGAGAA GTAGAAGGGATCACAGGCCA TGGCTGAGACACGCCATAGTTCTGTACTCCTGGACCCACCTCACGAGTACTTGCCAAGCAT **GCTCTTGCGACCGAGAGAG** CCCGGCGAGCGGGGGCTTGC >MPM2000-002P8_breast_Table1_968 ACCTAATGAAACCCGTCTTTGGCCTGTGGCTGAGACGCCATCTGTAGGCGGTGAAATCTTTC CAGCCTATGTGACGAGGG TCATGCCACAGGGTGCGCACCTGAAGGAAAAGGAAAAGGAAAGGTTGAAACACAGCTCCTT CAGGGCTTGTTCTTACCTG GCCAGGGGTGTTTCCTGTGTGCCACAGGGCGTTCCGCAGGTGCTCGCCAGGCCCTGTGGT **GGAGTTTACAACTTTCACAG** AAAGGCCCGAGTATCCCTGAGCCCTCGTGGGGTTGGTGTCCCAGTAGGACTGGGTGACTTG CTTCCACATCACAACATAA AAGCGGCTGCTGGACTGGTAGCCAAAGACAAATCCAGCATAGTCATCGTCCCTTTCGGTGTT GATGAAGAAGGTGCCACT GAAGTCCACAGCATTAAACTCATCATAACCTGGAAGAAGAGCCCAGAGCCAGGTTAAAACCT **GCAGCCTTCAGAAGGTTC** TCCGTCATGTTCCTAGACATCCTCAGCACCCACAGGGATAGGTACCTGCCCGGGCG >MPM2000-002P8_breast_Table1_969 GTGGCGGCCGCGGGCATGTTACTTTTTCTTTTTTTTAAGATTATNAGTANAAC **CCGGCAGATAGGTAGGA** GTAGCGTCCCAAATGTCATGAGTGTGGCGAGGAATGGGGTG >MPM2000-002P8_breast_Table1_970 **GCACCTGAAAATAATCCTG** >MPM2000-002P8_breast_Table1_971 AGCATTCTACCACAGTTCTATTTGACTCCCACTTGTAATAACTCCTTTATAAAATTCCATGTTT **AACCATATGACCCTGC** TTGCTTACTCATATTCTCCCTCCCCTCCCCTTCCTTTCTCTCTCTCCAGAAGTCATTTGCTC **GTTGAAATATTTTGTA** ACATACACGCACACAAA ATCTCAGCTGTTGAAGAGTGGGCTTGGAATCAGACTTCTGTGTCCAGTAAAAAACTCCTGCA **CTGAAGTCATTGTGACTT** GCTTACCTTATTTCCTT TTTTACTTAATGTTTT **AAGTATAGACCT** >MPM2000-002P8_breast_Table1_972 ACTITITITITITCTCCATGGTTCTTTAGGTATCTCTCCTTTCCCTGTCAGCCACAGT TCTTTATATTAAATTC TTTTGATGGCGAGAATCCTGGAGTAGGAGTGAGAACTGGACTGTAATGCACCTCTCCCACTA **ACCACTGTTTGGGGCAAA** TAGTCTGTCTCGTTGGGAGATGAACTTTACAAGTTCAATTACTAAATCTGAAATATCTGGATT **AGAATATTTCTAGGTTT** TTTTTCTGCTCTTGACATTCTATGATAACTCCATGACAAATGTTCTTTTTCCAAATAATTAAAAC

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TTAAAACATTTCCGT

TTAAACCTTCAAAGACAAAGACAACTT >MPM2000-002P8_breast_Table1_973 ACCTATTGGCCAATGAATCCCACCATTTTCAAATAAATTTTTAATCAGACTCCACTCAGTTGG AAAGTTTTGCTGAAAAT ATTTCTGGATAAAAAACAAAAACCTCATGTTGGAAATCAACTGTCCTTCCCATTTGGAACAT **TAAGAGGAGTCCCCAGG** GAACACTGGTAATAGGTGAAAATGGTTCCTGGAGTCACCAGTGTTGTACAGAGCCGCCAGG CGACTCAATTCACGTGCTC CTTTTCTGGGGATGAAAAGGTGCTCACCAGATCTTTCTATGCAACTGAGAGCTCCTAAATCA **AGTCAAAGGGGACCATCG** >MPM2000-002P8_breast_Table1_974 ACTCAGAAGTGTCTCTAGGAGGCTGGGCCAGTTTCCTCTCTTTTCTGCAGGCGTCTCCAGAG CACCCTCTCACCAGCTGT ATCTACTCACAATCGTCTGGCATTTGGAATCTGGTTGAGTTTGGGTCCCTCAATACCCAGAA AATAGAGCCTCCAGGACC CGCCCTAAGCAGGAATTTTTCAGATCTCCCTTCTGGGTCCTTTGGTCCCTAAGTCTCTGGC TTTGGCATTCCTGGTGGG **AATCCTTGCGGAGAGCCATCCTGGT** >MPM2000-002P8_breast_Table1_975 ACAATTTAATACATTAATGTAGTAAGTTATTAACTGGTGCCCCTATGATCTGCGAGAGGTAAT **ACACTATCACGTGTTCC** AAATTTTCACAGGAAAAGAATCATAGAATCCTATAACTGAAGGGGGCTAAGCGGGATCTACA **AATGCCTGCCAGGTGCTT GGATATCCTCCATCACATCCAGCCATGACAAGTTACTTGTGTCATGGT** >MPM2000-002P8_breast_Table1_976 GCCCAATTATTTAAGCCTGGTATTCAGCAGAAACCAGGGNAAAGGGCCCCTAAGCTCCTGAT CTANNTTCTGCATCCAGT TTGCAAAGGTGGGGTCCCATCAAGGGGTTCAGTGGCTCTGGANTCTGGGACAAGATTTCA NCTCTCACCATCAGCAAGT CTGGCAACCTGAAGATTNNTTGCAACTTAACTACTGGTCAACAGAGTTACCAAGTATCCCCC **TCACTGTCGTGCGGAGGG** GACCAAGGGTGNNGAGATCAAACGAACTTGTGTGCTGCACCATCTTGTCTTCATCTTTCCC **GCCATTCTGATGAG** >MPM2000-002P8_breast_Table1_977 TTCTGTCAATTTCTATGGAA TGCAAAAGGAGGTTTTTGTTTTATTTTGTTTTTTTGTAAAGCTTAAGAAAAAATCACATCTTATA CTTGAGCCTCCATAC >MPM2000-002P8_breast_Table1_978 **GAGTGTAAGGCCATTATCA** TGGACTTTTTCCCCAGCTGCAGGGTTATCTACAACTCCGGGTGGAAGTCAAAGATTGAAGAG GATGACTCTGATCCTGGA ACTGCATTGCTTGGTGGTCAGGAGGGGTTCTTAGTAAGCAAACTCAGTTTAATCCCAGAGTC **GGAAGTGGGTGTCAACAA GCCAAGCAACATCCTTTCAGCTCTGCTGCTTTTTTTGTCTTGGTGGAGGAATAGCCAATGGA AGAAGATGGAGAGTCCGG** ACCAGAAAAAAAAAAAAAAAAAAAAGTACCTGCCCGGGCGGCCGCTCG >MPM2000-002P8_breast_Table1_979 CCGCGGTGGCGCCTCTCTATAACTATTGTCCACATCTGTTATTTCTGCAGGTTGTCTTTTGC **AGCTTCAGGCAGTATGG** AACAAATGAAGGTCTATGTCACTCTAATAGAAGTAATTGTTGATAGGTGTTCTTCACATCCAC TTCTGTTGCTGATTGAG

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Table 5

TTTTAATGTGCAGAG GATTGACCT >MPM2000-002P8_breast_Table1_980 **TATTATGGACTCATCTGT** ATCTGGGATGCAAAGAAATGGGAATGCCTGAAGTCAATTAAAGCTCACAAAGGACAGGTGAC CTTCCTTTCTATTCACCC ATTGGCAAGTTGGCCCTGTCAGTTGGT >MPM2000-002P8_breast_Table1_981 TGGACATTTGTAAGTTAAAAATCAGTCACTATATAGGCACTGCTGTATGGAAAACGCATTTTG TGTTTCTACAAATTGTA AGCGGAAATGCCTTTTGAGTACGCGGGATTTGGATGATTGACATAAGGTTTTTAGCATGTTC CTCCTTTTCTTCACCCTC CCCTTTTTTCTTCTATTAATCAAGAGAAACTTCAAAGTTAATGGGATGGCCGGATCTCACAGG **CTGAGAACTCGTTCACC** TCCAAGCATTTCATGAAAAAGCTGCTTCTTATTAACCATACAAACTCTCACCATGATGTGAAG **AGTTTCACAAATCCTTC AAAATAAAAAGTAATGACGA** >MPM2000-002P8_breast_Table1_982 ACAGCCTTGCCAGACCAGAGTCAGTTGTATCATCCTGGGGCAAGTATGAGGAGAAGCTCAC GATTACCAGGCACCTCATT GTGAACATGCTTTCTGCAACGCCTGCATCACCCAGTGGTTCTCTCAGCAACAGACATGTCCA **GTGGACCGTAGTGTTGTG ACGGTCGCCCATCTGCGCCCAGT** >MPM2000-002P8_breast_Table1_983 ACTITITITITITITITITITGTCTGAAGTTTTTTCCCATTTTATATCGTCAATATCATCACTCA **TTTGAAAACTAGGA** ATGTCCAAGTTGATGTCCTGACCCAAGGCACCCCAGGTTTCCAAGGCATTCGAATCTTTTGG **AGACTGACCTATAAAAAG** CAAAAGAGTTACTGAGAGTCACTTTCAGGGAAAGCTGGGTTGGGACTTCTTTGACTCTTATG **CTTACCTTTGGAAGAAAC** CCTCTTTTGATTCTCCC **CGCGTACCTGCCCGGGC** >MPM2000-002P8_breast_Table1_984 ACAGAGCCGCCAGGCGACTCAATTCACGCGCTCCTTTTCTGGGGATGAAAATGTGCTCACC **ATATCTTTCTATGCAACTG** AGAGCTCCTAAATCAAGTCAAAGGGGACCATCGT >MPM2000-002P8_breast_Table1_985 CTGCCTTCCTTGGATGT GGTAGCCGATTCTCAGGCTCCCTCTCCGGAATCGAACCCTGATTCCCCGTCACCCGTGGTC **ACCATGGTAGGCACGGCGA** CTACCATCAAAGTTGATAGGGCNAGACGTTCGAATGGGGTCTGTCGCCTGCCCCCGCGTAC >MPM2000-002P8_breast_Table1_986 GCGCGGGGAGACCAAGGGCTAAAGCTGGGAGGTGAGTCTGTCACCTTGAGCCGGGCGA **GCGCTGTGGGCCAAGCAGGGG** TTGCAGGGCAGTAGGAGTGCAGACTGAAAAATGCAGACCGCCGGGGCATTATTCATTTCT CCAGCTCTGATCCGCTGTT GT >MPM2000-002P8_breast_Table1_987

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ACAAGCACCAGCACCAAGGGATAATCAATGGGTGGCCACCACGCATTCACAAGTATGCCTA

GGTTTGAAGCTGTGGAACC

TTTTAGCTCCAAGTTCTCTGCATGGGTATTGGGGCAACCTAAACTCCTAATCTAGGAGAGTG AGT >MPM2000-002P8_breast_Table1_988 GCTTACCGCCGTGGCCGCCCCGGGCTTGTACCTACTTATTTCCAGCTGATGGTAGACCA **AAGAATTTGCAGGTGGATG** ACCCAAGATCCCCAAAT AAATTAGTAAAAGTGCCATTAAGAATTATCAGACATAGAATGTGTTTCAAATACAAATTTGTTA **AATCCAAAAGATACAG** TAATTTTATTACATAAAATTTCTCCTGCGTGCTAAAAATGCTAACTTACAAGACATAATATTTGT **AGTAGAGGGAATCAC** GGTCGGCTCGTTGAATTCTTTTTCATTATTGAAGAATAGAACAATAGGTAGTGGACATAGAAG CACTCAGAGTCCTTTGA AATTCAAGGTTGTTACATTATGTTCCACCAAAATAAGACTACCATTC >MPM2000-002P8_breast_Table1_989 GCGGCCGCCGGGCTTGTACCAGCAGATACCATCTCAGGGTCCAACCTCCTCATCTATGGT **GCATCCGCCA** >MPM2000-002P8 breast Table1_990 ACAGCAGACGCTGGAGAGATGGACTTCGAGAGGGGAATCTGGTCGGCAGCCCTGAATGG **AGACCTGGGCCGAGTGAAGC** ATTTAATCCAGAAGGCCGAGGACCCAAGTCAGCCCGA >MPM2000-002P8_breast_Table1_991 ACTITITITITITITITITITITITATCATGAAGAACACAAAATATTACCCAAAGATGAAGAT TTAACAAAATTAAT **TATGTGGCAGTCAAGA** ACGCAATGGCTACTAACTAGCACCGTTTCATGCCACTAATGCTGATTCACACTACAGTGCAA **GTAATTTAATTTTACCCA** TGGTGCTCTTGCACCATCAGCACAAATGTCAACACAGTGGAAGAGCCAAACAACATTTTAGT TTTTTGGTTTGGGTCATT **GGGGGG** >MPM2000-002P8_breast_Table1_992 GAATTTCCATCGGTTTGCTGAGAAGCACAACTTTGCAAAACCCAATGACAGCCGTGCTCTCC **AGCTGATGACCAAATGTG** CGCAGACTGTGATGGAAGAACTAGAGGATATTGTGATCGCGTATGGACAGAGTGATGAGT >MPM2000-002P8_breast_Table1_993 CCGCCGGCGGTCATCAGCTTTTTTTACATCAAACCCCAAGGCTCTCATTGCCACCTTTAATTC **ATGATAATCTATTGCTT** CATCTTTGTCTGTATCAAATAGTTCAAAAGCATCTTTAATTTCTTGTTTCTGTCCTCAGACAGC **TCTCTGAATATCCTCT** TTGTTTTGTCCACTAGAAGCTCACTTCTCAGAGCTAAACTCATTATCTCTTCGCACAGAGACG TTCCTCTCAAGAACGAT AGCGGCCTCCCCCGCGT >MPM2000-002P8_breast_Table1_994 ACTITICTAGAAAAGCCTACATGTATATACTTAGTTACAGCTGCACTTCCCCATTACTTATTTT **TAGGAAGGTTATAGAG GGTCACAAGTCATTATAA ACTATGGACGACTCCGAGGAACATTGAGGTAATTTTTAAAGTCTAAATGCTGAATCATTTTAA CCTCAATACTACTGGAG** GATGTTTCTGTATAAATAAAGTGTTTAAACTGAAATGCTTTTCCTGGTGCTAAATACACTAAAG **CGTGTCGCAGATCATA** GAATTATATTGCCTTCAAAAAGGCAAAATCTTTTATCACCTCATCTACTTTAATGTGTGAACTA CATATCGCCTTTTCGT

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Table 5

GTCTTCAGATTTTGAAT AAAACTTGTAGTACATGGCAAGAAAGAAATGGGCAAAAACGGGCAATGCTGTGAGAGCCA >MPM2000-002P8_breast_Table1_995 ACGCGGGGTTTTTAGCTTTTTAAATCTGCTTTGGTATACTCCATAAAGTTTGTGCCATTGGAT **TATTCTGTTCCTATAGA** AATCCCCACTATAAAATGTAAACCAGACAAACTTCCATTATTCAAACGGCAGTATGAAAACCA CATATTNNTGTTGGCTC AAAAACTGCAGAATCCTTGCTGTTACGGTCACACCCAGTTTCATCTGTTACCTGACAAATTAA GAAGGGAAAGGCTTTTG AGACAAAACTGTGCTGATCAGATAGAAGTTGTTTTTAGAGCTAATGCTACTGCAAGCCTTTTT GCTTGGACTGGAGCACA AGCTATGTATCAAGGATTCTGGAGTGAAGGCAGATGTTACTCGACCTTTTGTCTCCCAGGCT GTGATCACAGATGGAAAA TGCTTTTCCTTTTTCTGCTACCAGCTAAATACTTTGGCACTGACTACACAAGCTGATCAAAAT **AACCCTCGTAAAAATAT ATGTTGGGGT** >MPM2000-002P8_breast_Table1_996 GGTGGCGGCCGGGCAGGTTCACGTGTCAGCATTTGTTGAATTAGCACTTATTGTTTAA TTTAGCTCTGGAACAATG CAGGGAATTTGAAGTTTCTTGTAAATAACCACAATTAGGAAAAAACCATACAGCTCAAGGAAA **ATCCACTAGTATAGCCA** AGAATACCCTNNAAGTTCTTCAAGAGACACNAAGAGGGAGAATTANTGCCAAAGGGTNNNAC TATCACCACCAGAACCCG CGGCCATCCACGT >MPM2000-002P8_breast_Table1_997 ACTCGGGGGACGTTAGGTGTCCGCCGGAGGTGTCGTTGGTGTGTTGCGCGACTGGCCTTG AGGGAGAGCTGGGGCCTGCT CCCGGAGAGATACGGCTATGTCGATCGAAATCGAATCTTCGGATGTGATCCGCCTTATTATG >MPM2000-002P8_breast_Table1_998 TGGCA >MPM2000-002P8_breast_Table1_999 ACTCAGCCTGGTCGGGTGGCAGCTCGCGGCGCAGCTCGTCCATGGTAATGTAGTTCTTGTC **CCCAGCCAGGATCTTGAAG** GAAGCCATGACTTGGTCTGTATCTGTGTCGGCTGTCTCGCGGGACATGAAGTCAATGA AGGCCTGGAATGTCACTAC CCCCAGGCGGTTGGGCCCACGTGGCATCGATCCTCCCTGCCCGCGAAGTGACAGTTTAC AAAATTATTTTCTGCAAAAA AAAAAAAAAAAAAAGT >MPM2000-002P8_breast_Table1_1000 **GTTGAGGCCGGCGCCGAGC** CGGACTTCAGCCGGATCTCGTGGCGGAGCCCATCTTGCTCCCTCTCCCAGGCCTNTATCCG CTCCCTAGGATTCCCGGGC CCTGTAGGTGGGAGTTGGGAGACGACAGT >MPM2000-002P8_breast_Table1_1001 **GACCAAATGCAAATGTCA** TACGTCTCTGTCACTAGCATCATATTTGCTAGAGAGACACTTGTGATCCACACCTCAAAGACA **AGCCTTCATCATCTTTT** CCTGGAGATAGCTGACTAGCAATCAGATGTTCAAATAAAGCTACTTTCTTGT >MPM2000-002P8_breast_Table1_1002

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ACTITITITITITITITITAAAGTAGTATTTTATTTCTCTGGGCTGTGCACACTTAAGGC

ATTAGATCCACAGAT

GGGCTCATCCGCTGGGATGCTACTTGTGGTGATCATCTCCTAAGCCCCACGTTTTAGCCTTG >MPM2000-002P8_breast_Table1_1003 ACTITITITITITITITITITITACCAAGTCTTACAGTGATTATTTTACGTGTTTCCATGTAT **CTCACTTTGTGCTG** TATTAAAAAAACCTCCATTTTGAAAATCTACGTTGTACGTGGGATACAGGTCACGGGCAGAG CTCCTGGCCTCAATGATG CCTCCTGATCTATCGCTGGGCCTGGACGACCAACACTGGGATGATGACGAGCAGAATGGTC **ATGAAGATGCTCAAAATCA** GGGCCCAGATGTTCAGGCACTTGGCGGTGGAGGCATAGGCCTGGGCCCCGGTCACGTCGC CAACCATCTTCCTGTCCCTA GACTTCACGGAGTAGGCGAATGCTATGAAGCCCAGGCAGCAGGTGTTCATGAAGAGGGTGT TGAACAGGGACCAGACGAC **ATGGTCA** >MPM2000-002P8_breast_Table1_1004 **ACATTCTCTGAAGAGGAAGCAGCTGGTTGGACAGGATTTCTTGAAGAGCCAGGTGCTAAGG GCATCAGGTCGACATCCAT** AGTAACCATGTGCCATAACATCTACACATTTCCACTTGTTTTACAGACAAGGTAACAGGCAGA **AGGAAAATCCAGAGTCC** TGCAGTAAGCAGATGACAAAACTTCAATATGCTTGGGCACCACTTAGGTGACCCCAGGGAG **ATTTAGTGTGGCCTTAGGA** AAGCAAAGAGCACTTTTTATTGGAAATATGAGCTTGTCACTGGGAAAGATTTGTAAAATTGA **TCAAGAACTTGATTTAT AATTATGCCTCAAAAAAAAGTTCTCATTTAGTAGTGGAGCAATCTAGAAAACATACCTTTTTT GTTTGTTTGGAAGATC** CTCTTTCCCTGGCTGTATTGTAGTGTTTGCTATTT >MPM2000-002P8_breast_Table1_1005 ACAACAAACCCCTCAAGAAAGGGGCAAAAAGGCCCCGAGTCACTTCAGGTGGTGTGTCAGA GTCTCCCAGTGGATTTTCT AAGCACATTCAATCCAATTTGGACTTCTCTCCAGTAAACAGTGCTTCTAGTGAAGAAAATGTG **AAGT** >MPM2000-002P8_breast_Table1_1006 ACTITITITITITITITITITITITITITITACTTTGAAATTACTTTAATTTAGAAATAGAAAA CATTTTGAAAGGA AAAAAAACCCACAAAACATACAGGCAGATTTGTATTCTGTGAGTTTCTCACACCCCTCACACT TGTTCACCAATCTTTAA GATGAAAAACTCTTTTCCAAAATGTATTCAGCCACCAACAATGGTGTTATTAATAGGAATATG GATCAATTTCACAAAGA AGCCAATGAATCCCATTATAGCAAATCCTATTGCTGTTGCCATGGCAATCTTCTGGAATTCTT >MPM2000-002P8_breast_Table1_1007 **ACCAAAGACTTATGAATAGATTTATGAATTGGAGTAGAAAACATAGACATTTCTACCTTGAGG ATATAGAAGGGAACTTA** GGAAGTGAGAAGTCAGATTACCCTAGTCCTCTAGGGTGCTTAAAGCTAACTAGTCCCGTGAA **TGAGAATCTAACCTATGT** GAAAATCTCCAGCCTGT >MPM2000-002P8_breast_Table1_1008 ACAATTTGATCAAGCTATTAAAATGCTATAAAAATATTACCAGTTTGGTGGTCTTCTAATGAGA **AATCTAAAGCACACCT** CCCCACCCACTCGGATATCTGTTTCTGATGATCACGTGACATCTAGCATATACGTCTGTAGG AAAAGGGAAAAAGCAAAC CCATTTCACAAATGGCTAAAGTCAATCCCGCGT >MPM2000-002P8_breast_Table1_1009 **ACATCTTCTTCCGGCTGATAATTGCATTATGGATGAACACAAACGAGAAATTGCGGAAGCTA AGCAAATTGTTAGAAAGC**

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Table 5

AAAGT >MPM2000-002P8_breast_Table1_1010 ACCATGATGATGACCTGGCAGATTTGGTCTTTCCCTCCAGTGCGACAGCTGATACTTCAATA TTTGCAGGACAAAATGAT CCCTTGAAAGACAGTTACGGTATGTCTCCCTGCAACACAGCTGTTGT >MPM2000-002P8_breast_Table1_1011 ACTGTAGGATAAGGAGGAAGGCAGTAAAGCTGCAGTATGTCCTTGAAGCGTGTCAAAGTGG **TATGGTAAGGAAAAGGAGA GTTTTATCTCACAAAGCCATAAACACTAAACACTTAATTTTCCATTCCAGAAAATCAGCAGTC ATCAAGACAGCACTTG GTAAAACATTTAAGATTTGTGATAATAACAAGT** >MPM2000-002P8_breast_Table1_1012 ACGCGGGGTGTGAGACTTCGGCGGACCATTAGGAATGAGATCCGTGAGATCCTTCCATCTT **CTTGAAGGTCGCCTTTA** >MPM2000-002P8_breast_Table1_1013 ACACCAAGGCGACCACAGCAGCTGCAACCTCAGCAATGAAGATGAGGAGGAGGATGAAGAA GAACGTCACGAGGGCACAC TTGCTCTCAGTCTTAGCACCATAGCAGCCCAGGAAACCAAGAGCAAAGACCACACGCCGG **CTGCGATGAGGAAGTAGCC** CACGTTGACAAACTGCATGGCACTGGACGACAGTGGCCCGAAGATCTTCAGAAAGGATGCC CCATCGATTGACACCCAGA TGCCCACTGCCAACAGGGCTGCACCACACAGAAAGATGAGCAAATTGAAGAGGATCATCAT **GGTCTTAATGAAGCTGAAG** CACTGCATGGTGGCTCCTGTTCAGGGC >MPM2000-002P8_breast_Table1_1014 GGGAAGGTCAGCGCCGTAATGGCGTTCTTGGCGTCGGGACCCTACCTGACCCATCAGCAAA **AGGTGTTGCGGCTTTATAA** GCGGGCGCTACGCCACCTCGAGTCGTGCTGCGTCCAGAGAGACAAATACCGATACTTTGCT TGTTTGATGAGAGCCCGGT TTGAAGAACATAAGAATGAAAAGGATATGGCGGAGGCCACCCAGCTGCTGAAGGAGGCCGA **GGAAGAATTCTGGT** >MPM2000-002P8_breast_Table1_1015 ATTCAAGAAGGCCAGCCAGCAGAGGATGAACACAAAACCTTAGGTCACTGGGTGACAATCA **GTGACCAAGAAAAGAGGAC** AGCACTGCAGGTGTATTGACCCACTTGGCAAAAAACAT >MPM2000-002P8_breast_Table1_1016 TTGAAGATAGGGTTAAA AAAATAATAGAACTGAAAAGGAAAGTCTGTGGCGATTCACATAAAGGATTTGTTGTTATTAAT CAAAAGGGAATTGACCC CTTTCCTTAGATGCTCTTTCAAAAGAAGGCATAGTTGCTCTGCGCAGAGCTAAAAGGAGAA **ATATGGAGAGGCTGACTC** TTGCTTGTGGTGGGGTAGCCCTGAATTCTTTTGACGACCTAAGTCCTGACTGCTTGGGACAT **GCAGGACTTGTATATGAG** TATACATTGGGAGAAGAGAAGTTTA >MPM2000-002P8_breast_Table1_1017 CTCTTGGGCCACCTCTGT TACTTACTGTACTATGGAAGCTCCTGGTGAATGTTTACAATTATGGGATGTAGTATTTCTATTT **GTACTTTAAGTCAAAT** GCTTATATGAAATATGTGACAACAAATAGAGAAGACTGGCTCTGTTAGTAATTATGCAGTATG >MPM2000-002P8_breast_Table1_1018 AAAAAATTTTTTTAA

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AAAAGGGGGGGGCCCCNTTTTTTGGGGGGGGNATTTNNATTTTTTNNTTTTTTANAAACCC CNNACCCCCCCTTTTTT AAAAAAAGGGGAAAAAANT **TNTGNCCCCCCNCCC** CCCCCCCAAAAAAAA NNAAAAANNNNNTTTTTTTNNNTTTTTTTANNNNNNNCCCCANNNCCCCCCCAAAAAA AAAAAACCCCCCCCC CCC >MPM2000-002P8_breast_Table1_1019 TGAGGATCCTGTGCGCGATCGCAATGGACAGCTACTAATGGTCACAACGACCTCTTTCTCTA **ATCCTTACTTTATACATC** AACCTTCAGGTGGCTCCCCAAAATGTTATACCAAATCTGTAAAATGCAAATAAAACAAAAGAC **AAATCTCCATCACGTAC** AACATGAACTGAACAGCCATTTAAAAATTCAATGGGTGAGAACTTCTTGGACCTCATTGGCTA GATTCCTTTCTTAAAAT CCATACACCGAATTTAACAGGAAGGTTCCCATTCCTTGAAGAGCAAACTTCAGATGTACAAG **CCTTGAGTGAAATATATT** >MPM2000-002P8_breast_Table1_1020 NATACCAGGCGTTTCCCCCTGNNAAGGCNCCCNTCGTGGCGGCTTCTTCCATTTGGGGGGGT TITTINTTTTTTTTNCCCC CNCCCCCNGGGGGGTNGAAAAAAAAACCCCNGGCCCCCTNCCCNTTTTTTTNNGGGG **GGGGGNNNCCCCCCCNGAC** CCCNCCCCCGGGGGGG TTTTTNNGGGGGGGNNT TTTTTTTTTTTCCCCCCCCCCCCCCGGGGGGGGGGGGATTTNTTTNTCCCCCCCCNNN ATTITITINNAGAATTIT TTAANNATTITGTNNANANNCCCCCCCTTTTTTTTTTTTTTTTNNNNAANNNGNCCCCCCCNN TTCCNCNNNATTTTTTN TTTTNATTATANTANCCCCCCCCCCCCCATATTTNAGGGNGNTTTNTNNGNTTTTTANAAAA AAAAAAAAAA >MPM2000-002P8_breast_Table1_1021 ACTTACAGGGGACCGCCAGGGGCCTCGAGAATCGGTATCCTGAGTCCTCTTGAAGAGCAGT AGAGGTTGTTTCATTATAG **TGCATAACA** >MPM2000-002P8_breast_Table1_1022 ACCAGGACCTCTAACTCCCCCTGACACAGAGCAATTAGACTCCCATAACAATGGTATCAATT **ATACCACTCCATTGGAGG** GACTTCCTTTATGTGTCACCCAGGATACATTGCTCAACTGCAGTTGCCTTG >MPM2000-002P8_breast_Table1_1023 ACTTGACCTTTATCTTCTAACCATTCTTTTATGTCATCAAGAGTTGCATCAGTCGGGAAGCCT TTAATATAAACGGATCT **GTTTTTTACATCATTTTTATAC** >MPM2000-002P8_breast_Table1_1024 **ACTGACCTTGGAAGCTAACCCCTGAGTATGATGCAACTCCACTCTAATGTAAATTAAAATGCC ATGATCTTAAAAATGCC ATAATAGTTGTCAG** >MPM2000-002P8_breast_Table1_1025 **ACAGCACTGGAACTTCTTGAGCAGGAGCATACCCAGGGCTTCATAATCACCTTCTGTTCAGC ACTAGATGATATTCTTGG**

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GGGTGGAGTGCCCTTAATGAAAACAACAGAAATTTGTGGT >MPM2000-002P8_breast_Table1_1026 **ACGGGGCCAGTTATTATACTGCT** >MPM2000-002P8_breast_Table1_1027 ACAGAGATAAGATACAAAGATAAAAATGTTGGTATCAGTTGATTTTGAAGCAGGTAATTACTG TGGCCACCTCACA >MPM2000-002P8_breast_Table1_1028 ACTTATGTGAAAGGTAAAAAAGATCTCATAGAAGTAGAGGTGGCTCATGCCTCTAATCTCG GTGCTTTGGGAGTCTAAG · GTGGGAGGATCGCTTGCGGCCTGGAGTTTTGG >MPM2000-002P8_breast_Table1_1029 TTACTTAGGTCCTGGTA **GGCA** >MPM2000-002P8_breast_Table1_1030 TAATTCAGGGGGGATAACCGCAGGNAAAGNAACCATGNTGGAGNCTANTAAATTGAAAAAN NAAAAAAGGGGTTTGGGGG GNTTTTTCCCCCCTTTCCCCCTAAAAAANGGGNGGNNGCCCCCCTNTAAAATTTAAAATANN NTAAAAAATTTAAAAATG **GGGGGNGNNAAAAAAAAA** NAAAATTTTNAAAAAANT NAAAAAATTTNAAAAAGGGGGGGGGGGGGGGGGGGTTTTTTNNCCCCTTNTTTTCCCCC CCCCGGGGGGGGNGNNTATA NATTCCCCCCCCCNTTTTTT >MPM2000-002P8_breast_Table1_1031 ACCACCTGCTCCTCATCTTAGGAGTCTCCTTTTCAAATAATTAGGCTCTGTTCCCATTTTAAAA CTCTGATATTGGCCTT CACCTGTGTACTGGGACACTT >MPM2000-002P8_breast_Table1_1032 ACGCGGGGTCTTAAGAACGAACGGCTTGGGCGCGGACTGGTATCCGGGGACTGTGACTTG CAGGGT >MPM2000-002P8_breast_Table1_1033 ACGGGGCCAGTTATTATACTGCT >MPM2000-002P8_breast_Table1_1034 ACGGGGCCAGTTATTATACTGCT >MPM2000-002P8_breast_Table1_1035 ACATGGGGGTCCGTGCGGGCAGAACCCAGGGCATGAAGATCCAAATGGGCCTGGTTCAGC TTTTTCTCCAGGAGCCATGC **GCAGTCTTT** >MPM2000-002P8_breast_Table1_1036 ACCCCCATGCTGTGGCACGGCTTCAGCTGTGATTGGGTTATTATACCCCTGCATTGACAGAC **ATCTAGGAGAACCACATA AATTTAAAAGAGAGTGGTCCAGTGTAATGCGGGTGTGTAGCAGTTCTTTGCTTTTGGGGGGG GGGG** >MPM2000-002P8_breast_Table1_1037 ACAAAAATTAGCTGGGCATGGTGGCGCACAACTGTAGTTCCAGCTACTCAGGAGGATCAGG CAGGAGAATCACTTGAACC **CAGTAA** >MPM2000-002P8_breast_Table1_1038 ACTCAGGGCTTGTGTTGTCTTGTGTTTAGACATACCCAGGAATCTCATTACTTTGCAT TGAAGACTGTTTTTATT

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TTTGGAATGTTCTGAATGTTTCCAAACTGCTGAAGCGTGTGCTG

>MPM2000-002P8_breast_Table1_1039 ACTGAGACCGGGAGGTGTGCTCTTTTTCTGGGAGCATGTGGCAGAACCATATGGAAGCTGG **GCCTTCATGTGGCAGCAAG** TTTTCGAGCCCACCTGGAAACACATTGGGGATGGCTGCCTCACCAGAGAGACCTGGAA **GGATCTTGAGAACGCCCAG** TTCTCCGAAATCCAAATGGAACGACAGCCCCCTCCCTTGAAGTGGCTACCTGTTGGGCCCC **ACATCATGGGAAAGGCTGT** CAAATAATCTTTCCCAAGCTCCAAGGCACTCATTTGCTCCTTCCCCAGCCTCCAATTAGAACA **AGCCATCCACCAGCCTA** TCTATCTTCCACTGAGAGGGACCTAGCAGAATGAGAGAAGACATTCATG >MPM2000-002P8_breast_Table1_1040 ACGCGGGGGAGCCTGCGGAGTTCGAGACCATGCTGCTGTTCTGCCCCGGCTGCGGGAACG GGCTGATCGTGGAGGAGGGA CAACGCTGCCACCGCTTCGCCTGCAACACGTGCCCCTACGTGCACAACATCACCCGCAAGG TAACAAATCGGAAGT >MPM2000-002P8_breast_Table1_1041 ACCTCAGTGCAAAAGTTAGTTGAACTGGTTCATTCATCTCTATGGTAACAGCTTCCTCCTCTT TATCGACATTACTTGTC TGTGACAATTTAATGTTTCCATTTCCAAGTTCTCCACTTGCAGAAAATTTCACTCCGTCTTTTG CACAGGAAATTACAAC AGCATCTCCAATATGGCTGAGATCTCGGCATATACGTGCAAATTCACCAGAAGGCATCTTTA CTACACAGCTGT >MPM2000-002P8 breast_Table1_1042 ACTATAGCTGTAAGGAGAAGCTGAGAAATGATACCCAGGAGCAGCAGGCTTTACGTCTTCAG CCTAAAACCCAAAAAAA AAAAAAAAAAAAAAGGTACTGGACCGGGTTGCTGAAAAGACTCACACCCGAATACCCGCGT >MPM2000-002P8 breast Table1 1043 ACGAGGATGCTTGGCACGTACAGGATCTTGCCATCACCTGTTCGGTCAAACAGCTGGAAGG **CCTCCTTGAACTCTGCGGT** CTGGTCTTCGGTGAAGTCACACATCTTGACTGCTTAGCTCTCCGGGGACCTTTTCCTGCAGTA **ATGGCCCCCGCGT** >MPM2000-002P8_breast_Table1_1044 GGCGGCCGGCCAGGTACCTGAGGCAGCAGTCACTGTGGCATAAATTTCTAAACTTACATAG CAGATACTTGTAATAAGCA **GAAGATTTTTTTAAAAGC** >MPM2000-002P8_breast_Table1_1045 ACCTGCTTTTGCCGCTTCTGGTTTTTGCAGACATCCACTACTCCCCAGCTGATTACACCAACT **TGAATGAAACGACTTCT** CTTGTGAACTATCAAGGGGCCGCCAGAATCACCTCTGCAAGTATTGGGGTCAGCATAGGGA CTCACTCCTTCAGAC >MPM2000-002P8 breast_Table1_1046 ACGCTGGATAGCCTCCAGGCCAGAAAGAGAGAGTAGCGCGAGCACAGCTAAGGCCACGGA **GCGAGACATCTCGGCCCGAA** TGCTGTCAGCTTCAGGAATGCCCCCCGCGTACGCGGGGCCCGCGGAGTATACACCATGAG CAAAGGTTAACCCTCCCAAG TTGAAAAAATTTATGGACAAGAAGTTATCATTGAAATTAAATGGTGGCAGACATGTCCAAGGA **ATATTGCGGGGATTTGA** TCCCTTTATGAACCTTGTGATAGATGAATGTGTGGAGATGGCGACTAGTGGACAACAGAACA **ATATTGGAATGGTGGTAA** CAGAGA >MPM2000-002P8_breast_Table1_1047 GGCCGAGGACATTCCACATGCATTGCCTTCTTTTTTACCCCTTTTATCTGTAAACCTTTGCA AGATGCAAAGAGGTTGT .

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Table 5

AGAAGTGGGGTGGGACGAC

AGTGAAATCTACAGTAAAACCAAGCTGGCCCAAGGTGTCCTGCAGGCTGTAATGCAGTTTAA TCAGAGTGCCATTTTTTT

TTTTGTTCAAAAGATTATAATTATTGGAATGCACAATTTTTTTAATATGCAAATAAAAAGTTTAA

>MPM2000-002P8_breast_Table1_1048

GCCTCTCCCTTGGCTTGTAGGAGGCATCTTGTCCCTATGACTCTTCACATTGTCTTTATGT >MPM2000-002P8_breast_Table1_1049

GACTACCAGCCTAGGGCTGCACCATCCACAATGGGCCCTCCCACCTTTGATCACCTAATT GAGAAAATGCCTTACAGCT

GGATCTCATGAAGGCATTTCCTCAAGGGAGGCTCCTTTTGAAAGAACCCCAAATTGGGGAGA CTTTCGCTCCAGTCTCAG

GATGGCGCCCTAGGAAACACGAGTTGCCGATCTTGATGT

>MPM2000-002P8_breast_Table1_1050

ACGTTTTCAGAGATGTGACTGAAGTAACCTTCAGCGGGCCTGAGAAACCCACAGCCAGA TCCAGCCCTGCCTGGAGGT

CCTGACTGGAAATATCTGTGATTTC

>MPM2000-002P8_breast_Table1_1051

ACCCCAACATATATTTTTACGAGGGTTATTTTGATCAGCTTGTGTAGTCAGTGCCAAAGTATT TAGCTGGTAGCAGAAAA

AGGAAAAGTATTCTCCATCTGTGATCACAGCCTGGGAGACAAAAGGTCGAGTAACATCTGCT TCACTCCCGCGT

>MPM2000-002P8_breast_Table1_1052

TTAGTGAGATGGGGGTTTCTTGCGGTAAGAAGTGGGCTAAAGAATTTTTTTAGTTTGTGTCGT
AAAGCTTAGAATTACTG

CTTCCTGTTCATAGGGGGATG

>MPM2000-002P8_breast_Table1_1053

CACGCACACACACTATAGTTTTCCTGCTTGCCATAGGATCTCTCTTGGGAGATGGACAAC CCTCAAAGGCACTGATTG

GTGACATTGGTAGCTCTGGTCCTTACTCAGGCAGCCAGCTCAGCCAAGGCCCGGTCCAAGGGATCCACTGACCAGTAGTC

ATAATCCCAGCCGAGGAACCAGCCCACAAAGGAAGGAGGCTTAAAGCCTTGCCTAACGACAGTGATGGGGGTCCCGCTGT

CCCAAT

>MPM2000-002P8_breast_Table1_1054

CGCTCGTGATCTAGATAGTGAGCGGACGCGTGGGTCGACTCAAGACTTTTAAAGATTTATCA AAATTTGGTGAGCCGAAT

CTCAGAAAATTGGTGAATTCGGTTAGTTCCCAATAGGCCGCAGTAGTAATAAGTGGAGTGTTCGGGATATAGAAAAATTT

TCACGAATGGAAAATTTCTAGGCGAATTCAGTGAGTTCCCAATGGGACATGATTGTAT GAGTGAGCTTTTTAATAT

ATAGCAACATTTTA

>MPM2000-002P8_breast_Table1_1055

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AGGAAGTCAAAATATCACTATTTACATATGATATGATAGTATATTTCAGTGATCCCAAAATTTC CAGTGGAGAACTCCTA TTCATCTACAGAAAAGA CAAACAAGCCAAGAAAGAGATTAGCGAAAAGACACCCTTCATAATAGTCCCATATAATATAAA **ATACC** >MPM2000-002P8_breast_Table1_1056 ACCATGTTTCACGTTAAAATGCCAAAATGTGGTGCCTTCAAAGAAACAGTCAATGAAACAGAA **AGCAAAAATAAGCAGAA** AATTAGAAACGTTATTTGGCATCATGAAGGGCAACACCAAATTTCACTACTAACTGCAAGGAT **TGATAAACACCATGATT** TCAGATTTGAAAAAAATGGAAAACTGCTAATGCACAATGTTAAGAGATCTCCATGAGAACCA **GGCATTAATCCCATATA** GCAATGATTTAATATTGTTACCAATTTCAGGAAAATGATTTTTTGATAAATGGGCTATTGTAAG **ATATACCTTTTTATTT** CTTAGGAGCATGTGACCTGCATACGTAAACAG >MPM2000-002P8_breast_Table1_1057 ACAGAGCCAGCCAGTGTTGGGCAGCAGGCTCACAGCCTCAATAGGGAGAAAAGACAAAGG **CCTCAAAATGACAGGCAGCC** TGACAGAGGAAGGAGTCTGACACCTCAGCTTGAGGCGTCTTTGGAATTCCTAGCTCATCTCA GAATTATATCTTAGAGTG ATAATATGGGTGGTAGCCAGTGGCCAAACAGCAAGAACTAAGAGTGGCCCTTGCAAAAAAA **GGTTGGGAAAGCTGGGCCC** ATATTGCCTGTAAACCCTTGAGCCTGATGCTCATACAGCTGTCCCTTGTTTTAGCCAGGTCTT GACAGAAGGGTTACCAG CACTGTCACTGCTCTACAG >MPM2000-002P8_breast_Table1_1058 ACAAAAAGTCAAGCCCTGAAGTAGTTTTTCCCCCCAAAAGTTCTGATGTTAAAAACTTTAAAAAA **AAAAAAGAGAGAGGTAG** TGTGTAAAAATATTTTTACTTAAAATGTTGAACCCCTGCACCACTTATATTATAAATGAAAGTT **AACCTTCTACATACTA** ACATTATTTTGCCATTCAAGAGTCAAATTTGTAAGACTCACAGAATGTTAAAGCCGGAATGCC **ATTAAAAATAGCATATA** AATGGAAGAACTTCGGTGAATTCAACAAAAGT >MPM2000-002P8_breast_Table1_1059 ACTCAGTATAAAGTCCAGATGCCTTTACCATGACCTGCAAGGTTATACGTGGTCTGACCCAT **GCATTTCTCCGTGACCTC ATCITATACTCCAGGTTTCTCTGTTTTACTCATTCTTTTCCAGCCACACTAAACTTGCCGATCT TAGAATATGTTGAGTT** CATTCTAGCCCCAGGTCTTCAAATTTCCTCCTCCTTTCCTGAAATAGTCTTCTCCCAGATTTT GGTGTGGCTCTGT >MPM2000-002P8_breast_Table1_1060 ACGCTGGGGGGAGGATTGCATTCAGTTTAGTTCCTGGTTTCCGGCTGAAATAACCTGACCG **AGAGCATCACCCCCTGAAC** GAGGGCCCANNACAGGCTT TCTACCCTGGATGCNTGCTCCCATGNCCCTGACANNCGAGGCCCACTACAATGCTCTCCAA **AATGTCCACAAAAGTGACT GTGCTGGGAGAGCCCCAG** CTGCAGCCTGGATGTGAACTGCAACTCCAAAGTGTGTCCAGACTCAAGGCAAGGGCACTAG **GCTTTCCAGACCTCCTACT** AAGTCATTGATCCAGCACTGCCCTGCCAGGACATAAATCCCTGGCACCTCTTGCTCTCTGCA **AAGGAGGGCAAAGCAGCT** TCAGGAGCCCTTGGGAGTCCTCCAAAGAGAGTCTAGGGTACC >MPM2000-002P8_breast_Table1_1061

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Table 5

ACCTTCATGCTCTAAATCAGATGATCTACTATCTGAAAAGGAAACGACAAATCTGACAACAAA TGAATTTCACAACAGAT AGGCAGTTGATAGCATGAGGCACTAACATTAAACCCAAGTCTTTCAATGGCACTTGGAGTCC CAGGGTA >MPM2000-002P8 breast_Table1_1062 ACAAATTATAGCGACATACACAGAGAATGCAGTTAAAAACTCTACCTGTGATACATGAAAGCT TCAGGGGGCTATATATA GCCAACAGTAATTGACTATTACACAAGAACCAAAGAATTGGACCTTGAAAGGAAATATTCTAT **CTGGAGATTAACACAAA** CTACTTAGTAACAAAATGAACTATAACAAACATTAAGGATAAGTAGTCTTCTGTGGTAATAAA **ACTATCATTTTGAAAG** GACAAAAAGATTATTTTAACCCTGCTTAACTATTATGTGTAACTACTTTCCAATTTAACAG >MPM2000-002P8_breast_Table1_1063 ACAGCACCAGGAGAGAGATCATTATTAATGTGCTAATAGCAGCATTTTATTTTGAAACCC **ACTCTGCATGGTTACAG** GGCTCAAAACAACATATTCTAACAGGAAGATACATTACCGAAATATTTTAATGAGAATATTTAA **TATGCATTGAGAGGTC** CGCATTTTCTTGCAGAGACCTTGTAGGTAGCTCTTTGAGATTTCTGTCTCTATGCATTTAAGT GAAGGAGTTGGTTGGGT ATTTTAGTTGGCAAATTTTGCAGACATGTAGCTTTGGTAGTGGAGGGGTAATAGT >MPM2000-002P8_breast_Table1_1064 ACCCCTTTTAAGTTTGCTTGGCTTTCTCAGATTCTGGTTTCAATTAACATGCTTATGATTTTCT **GGGTTTGCAGGGCAGA** TTAGTAGGCTTTGGTGTGGCTTTTTTCTTTCTTCCTTTCTGCCTTTACGCGTTTGGTTGATGC ATCTGTGT >MPM2000-002P8_breast_Table1_1065 ACTGAACTAGCTCCTTCTGGTTAATTTGTTGATTGGATTGGAAATTAGAACATGGAGCTGTCA **ATGCACGGTATCTGGTA** ATTGTGGATGGGGAGATGACTGGGGCAGAACTGAGCTCATTTTTGCCAACATAGT >MPM2000-002P8_breast_Table1_1066 CGGCGCCCTGCACGCACC TTTACAGATGCAGGTGGCTGTTTCCTGTGTCAGACTGCAGCTCCCGTGAGCTGGGTTCATTG CTCATCGTTGACTTGGCC TCCCCGCGT >MPM2000-002P8_breast_Table1_1067 **TGTGGGTGAAAGCTGCCT** CAGCCCGCACCACAGTAGAGAGCGGGACCACCTCACGAAAGTTTTAGCAAACTCCCAGGGT **CTAACCTGAAAGCAGCCAG** GAACAAGACCTTTCCAGAAAGAAGGACATGAACAACGCTTAAAGAACGACCTGGGCTGC CAGGGTAAGAACCCTCAGG AGGCCGAGAGTTACTGTGCACAGT >MPM2000-002P8_breast_Table1_1068 CTCTTGTTAATTCCATTCAATAAACACACACACACACCCCTCTCCTTCCTTCAGACCCTATTAA **TTCTAGTGTAAGAGAG** ATGGGTGATGTTCCACAGAAGAAGCTAAGTTGGACTTTGAAGGATAAAGAGAGTATGGGAG GAAAAGGCAGGAGGTAGAA TTCTAGCCACAGGAAGAACCAGGTGAGAATAAGCTTGAAGATGTTTAGGGGAGAAGGAGTT **GTCCCTTAGCCTTGATCCT** TAGAAACAGACGTAGAGGTAGAGGAAGCTGTGGCTGCAAAGGCAGTAGGCAAGAAAGTGAA **GCCAAACGCCACCCAAGTG**

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TCCTCCTTCACTTCC

>MPM2000-002P8_breast_Table1_1069

ACTCACTTATAGATGGTTATTGGCCAAAAATACAGACACCATGCTATTATCCACAGACTCAGA **AAAGCTACACAAGAAGG** AATGCACAAGTGAGGATGCCTGAATCTCACTTAAAGGAGTGCATAAAGCAGTCCTAAGAGGA AGACGGAGGGAGTGAACT GAATAGAGAAGAGATACGGAGGGCTATGGGATGGGTTTGGAATCAGGTGTGGGTAAGGAAG **AGGAAAGATGGATGGAAT** >MPM2000-002P8_breast_Table1_1070 ACATACGCGCATTTGTGTGTGTGTATCTATGAGAGGGGGAATTAACAAATTACATGGATTTGT **GTATGTGTGTGCCTA** AGAGACAAGGAAGGAAAACAGTGCAGTTGAGAAAGGTGAAGCAAATGTGGCCAAGT >MPM2000-002P8_breast_Table1_1071 ACTITITITITITITCCTGAGGGAGATGGATAGGTGAAGTAATGGTTGACAAGCATAAGT **GGGAAGCTTCAAGTCCC** AGGTTCTCCCATCAAATCATTTTCTCACAATCTTGCTCAGTATTCTCTTCTAGTAGGCCAGAA TTTGAAGGATTAGCTCT CTGTATATCTAATCTAAATCCTACTCCTTGTTTTAAGCTCTTTGATTTCAAATATTAATGATCTG **GTACAGCATCGCTGG** TGGTTTCAAAAAACGTAGTCATTCTTCTCACTGCAACAATGTAAGATAAGCAGGGTAGATCTG TTATTTCCAAATTAAAG GTGATTAAGATATATGGAGAGAGAACATGGCATGTGAGGTTTATAGGGCTAGAAACTGCAGA **ACCATGTAGAACCCACA** >MPM2000-002P8_breast_Table1_1072 GACCCTAGGGCCTTTCACC AGCTTACATCCACCCACCTTGGGCAAGGATAGGTTAGATTCCAGTTTCCTGCCTCCCGCCAT GGCTAGGCATTCTCAATC **GATTTAAAGGTTAATATG** CTTAGCCTATAAGTTAGAAATGTAACCTTTCTGAGGTAACCTGTGCCCTTAAAAAGTATAAGA **GCTACTTCTTTATTTT** >MPM2000-002P8_breast_Table1_1073 CACGCGTCCGCTGCTGGGCTGAACCAACCAAGATGGAGTGGCAGAACCCTGGGAGCTGA TCGGGGTTCTTTCTAGTAAG TAGTTGCCAGGCCTTAGAACTGATTGGTGTCACCTACTTCAGTGTTCATTTCAATGACA **AGATCAAAATCAGATTT** TACAGGATGACCAAGATTCTGAGTTTCTCCCATGGCAACAAGTTCTCAGGTTAAAGTCTAGG **AATGGTCATACTTGCAGC** TTGTTCTTCCAGAAGACCTGACTTTGGTTCCCAGAACCCATGTTGGGTGGCTCACAACCATC **TATAACTCCAGCTCCCGA** GAGCCAATGCCTCTGACCCCCAAGAGTGCCTGCACTCATGTGTATATATCCACATAATTAAA **AATAATAAAATAATAT** TTAAAGATCTTTGACCTGCCCGCGCG >MPM2000-002P8_breast_Table1_1074 TGCAGAAAGGAAGAAATGCCAGAAGGAACCAATGAAGGATGAGCCCAGCTTCCAAATTTT GATGAAAGCTTTCGTCTCT ACATCAGAGAAATTCTGCAAGATCTTAGAAGGATGCGCTCAGAGAGATTCACACCTAGAAAC **ACCATACTCAAAGGGTAA** GGAGAAGAGCCCCAGGGAAGAATACAGAAGGGGACACATGACTGGCCACACAGAAAGC TCATCAGGAAGAAAACATGA CTCCCTGTCAGAAACCCAGGGTCCAGAAGGAGTGGGATGACGTTTGCTAAGTTATAAAAGC GAGCTGTGCACCCAGATTC **TATAC** >MPM2000-002P8_breast_Table1_1075 ACCCCAATCATTTGCCTGCATCCTTCTCTCTCAACAGACTCAAGAAGTAGAGACGCTGACTT TTTTGTCTTTGTATCCC

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TAGGACTTAGCACTGCCACCAAATACAACCAAAGTTTGCTGAGCTGACATGATTAAGAGCCT **ATCTGTGGAAAAGTATGA** TCGGCCTTTGTGAAGTTGCAATCTCTCAGAGACTTGTTTTGTGCCTTTACAAATAATAGATTTT TTTTTTTGAG >MPM2000-002P8_breast_Table1_1076 ACTACTGGCACTGAGCCAATGTATGCTATCAAGGAAAGCTTTATCTGTCACTGAGCAAAGGG **TGAAGTTCAATTAGGTCA** TATTTATTTTTTTG AGACAGGGTCCCACTCTGTCGCCCAGGTTAGAGT >MPM2000-002P8_breast_Table1_1077 GCTTGAGTCGACCCACGCGTCCGCACTAAGATTCTAAGTGAATACCACCAAACCCAGGAATA **AACTGATTTTTTTTTCCC** TCTTAACTGGAAAATAACCTGAATGTCTACGCAGCTAAAAAATGAGATTGGGGGGAACCCTA AACGACCCGGGCTGTTGT TTGCTCTCCACACCTGATGGCAAGGCCCTGTTGCTGGAAATAACACCCACACGGTTCACTG **AACATGGGAAGTGGAGCT** GGTGCCTTTCTAGAGTCTTCAACCCCATTGGCTGGCGTTCTTGGAACCAGAGGTAGCCTGC ATGCTAACCAAAGAGAAAT **AAACACC** >MPM2000-002P8_breast_Table1_1078 ACCCAGAAGAAGGTGCAGATATCTGATTGAAACTGTTCATCTTACCAACTCTTCCTATTGCAG **AGAAGACTAAGGTCCAG** AGAGGGATAGTGACTTTCCCAGGTCACACAGGAAGCCACAAGAGCACATTGAAGCCAGATA CACATTGTCAAAGCACGCA TGTCCAGCCGAAGCAAGGACCCGAAATGCTGATTGTTTCCCCTGCAAGGAGGATCCTGAGT TTGTCCCCGGGAAAGGTTT AAGAGAACTGGCAGGAACCAGCCTTCATTCTTCTAGGTCCGGTTACCCTTGCTTTCTAAGCC CCACTTTCTGCCCGGGCG GCCG >MPM2000-002P8_breast_Table1_1079 ACACACCACCACCTCTGGATAATTTTACTTTTTTTATTTGAGACAGAGTTTCGCTCTGGTTGC CCAGGCTGGAGTGCAAT GGCGCGATCTCAGCCCGGGTGACAGAGCGAGACTCTGTCTCAAAAAAATAAAAAATAAAAAAA TAAAAAACAGCATTCCTT GGGAGGCTAAGCGATCCTCCTGCTTCAGGCTCCCAAAGTGCTGAGATTACAGGCGTTGAGC CACTGCACCTGGCCTCAAC TATTTTTTAAATCATGTCTGATCTTAATTCTCCTAGGATACTTATTCCCCAACTAACACAAGT **GAGTGACGGATGGCCA** CTACATTTAGTAAAAAGAAAGTA >MPM2000-002P8_breast_Table1_1080 ACAGCTAGGACAAACCTTGACTCCGGGTCGAGCGCTCATTGTATAACATGCAGTGGCATGG **CCCGTGGTTAGGAGGAGTC** TGAAATCAGATTGCTGAGGGTTCCGGATCTGGTTCTACCACTCACAAGTGACTTCGTAGGCC TTTCTTATATTCTGATTT CTTATATCTGAACTGGAGCTTACACATGCACCAGAATCCTACAGGGATACTGTGGGGGACAC **ACAGCTTGAGGTAAAGTG** GTTACCAAGAGGCCAGGCAGTTGGGGATCACCCATATCACAATAATTTGTCATTGAGCATGT AGTTTCTCTCTTCATGGA >MPM2000-002P8_breast_Table1_1081 ACAGAGCTAACACTTATCCTCCAGTGCTCTACTAATTGCTTGGTGCTATGTTGACTACTGGGA ATGAACCACAAGATACA TCACTGTAAACTGCAGGGAGTGCTTCACTGATCATGAGGTTAAAATCTCCCCATCAGCAGAA AGAGAATTCTTTACTTAA **CTTACTGGT**

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>MPM2000-002P8_breast_Table1_1082 **ATATAAATCTGAGTTCC** CTGAAAACCTCAGTGCC ACCAAATGCATGGATCGTAGCAGTAGTTCTAAGTGTGTGCTATGCTTGGTCTAATATCCAAA GAGATGTCTAAACAATGT GCTGCTTTCATGAGAGGGGGGCGCACGTTGCAGGAAGCTGTCAATCTTTGAGTGACCCA >MPM2000-002P8_breast_Table1_1083 ACAAGTTGGTCTCAAACTCCTGAGCTCAAGTGATCCTCCCACCTTGGTCTCCCAGGCGTAAG CACTGCACCTGGCCTTAG AAACCTCTTT.AAAAGTGGTTGTGGTATCCTCATAGAATCTAGGAATCCATTACTCAAAAAAGC **AAGACTGCAATGATACA** CAGT >MPM2000-002P8_breast_Table1_1084 CGACCCACGCGTCCGTGTATCTCCTACAGTTCATTATGCAGCAGACACGGATGTAAATGGG GACAAAAGAAAATACCAA CTCAGACTCTTTGTGAGACGTTCAGCAGTTTTCTGAAATGGCGCAATGTATTCATTTTCCATC TGCATTTCCGTCCCACG TTTAAACCTTCCCTGCTGAAGTCAAACTTCCAAAAAT >MPM2000-002P8_breast_Table1_1085 ACTCTACAGTGAAACTGTTTCTACTGTGGCTTAATTTGCAAAATCCAAGCAGATATTACTTTTA **AAAATCCAACTATCTC** TTTCAAAGGATTTGTAAAGTTGCTTACAGACATAAGGTGACATCAGAAAAGCATGTTGGTATA ATGCAATTAGCTAAGGT TTCTAGGAAGCTTTGGAATGTTTTGTTTTTAAAGAAGGCATAGATAAGTGCAAGTCCTACAAG TAATGAACTGTCCTAGA AGCAAAGAATTCATTAAATAGATCTCCTTGATTTCTCCTTCATGGCCCCATGTCCATAGAGA TTGGGAATGT >MPM2000-002P8_breast_Table1_1086 ACTGACTTAAAATAACAGAGTAACCTGTCTGGCTTACTTGTCTCTGAAAGTGAATGTTCAAAG **TGGGTGGAATAGAATCA** CATATAACGAATAGTCCATACTTATATGCAAAGCCATATGATTCCCTAAGCTACTTAAACTGG **AATAAAGACACTAATAA** AAATTTCATAAAACATTGAACCTGGTGCCAGCCTCACATTAAACCCATAGGTTCTTCACGATT **AAGGCTGACAATTTTAG** CTACTGCTTAGAAAGTTGCAAACACAAATAGGGGGGAGTTTAATGTTCCATCAGAAATTAACC CAAGCTGTTTGAAACTC **TACTTGGCAC** >MPM2000-002P8_breast_Table1_1087 CTTGAGTCGACCCACGCGTCCGCCTAGGTCTAAGAGCTGAAGCTATAACTGCTAAGAGGCC **TGGGACTCTGTGACACTGA AGTCAGCAATGTCTTAAAAACAAAACAGAGGGGCTGGAGAGATGGCTCAGCGGTTAAGAG** CACTGACTGCTCTTCCTGA GGTCCTGAGTTCAAATTCCAGCAACCACATGGTGGCTCACAACCATCTGTAACGATATCCGA **TACCCTCATCTGGTGTGT** GGAAAAGGAATGGGGGA **AGAAAGGAAGG** >MPM2000-002P8_breast_Table1_1088 CTTGAGTCGACCCACGCGTCCGCATTTATTGTGGGCCTTACTTCATGCCTGCTAGGCAATAA **AGATACTT** >MPM2000-002P8_breast_Table1_1089 ACCATGACACAAGTAACTTCTCATGGCTGGATGTGATGGAGGATATCCAAGCACCTGGCAG **GCATTTGTAGAGATCCCCG**

Table 5

CTAAAGCCCCCTTCAGCTATAGGATTCTATGATTCTTTTCCTGTGAAAATTTGGAACACGTGA **TAGTGTATTACCTCTCG** CAGATCATAGGGGCACCATTTAATAACTTACTACATTAATGTATTAAATTGT >MPM2000-002P8_breast_Table1_1090 TTGAGCTCACCGCGGTGGCGGCCGAGGTACGCGGGGAAGCAATGACGTGGGGAGAGAGC GCGGAGGAAGGGAGATCCA GAAAGGTAGATTCTTCTGTGTAGGTGAGTGAGATAATGAAGCAAGTTAATTTGGGCTC **TGCTGACTTATTTATCTG** TCCCGGGCACTTTTCTCCGT >MPM2000-002P8_breast_Table1_1091 ACAGTAGAGACACCATCTCTGTTAGGAAACTGTTAGTGGCTACCATGTGTCCCTAAACTCCC **TAGCTTGGTAGTCATAGC** CTCACGTTCTGCTTCCAGTTACTTACCTGTCAATCCTTTTCTTCCTACTGATCCCTAGTGCAC TTTTAACACATCCTTAT CCTCTTTGTCTATGTCTGTTTGTCCTATTCTCTGCACCTGCCTTTCTCTCCCCTAGTCCTACT **CCCGCATACCTTAAATG** CTGCCATAACTTGATTATGGCTTAATTACTTAATTATGCCAACTGAAGGGTCTACGTGTTAAA **GGGCTTGGCCCCT** >MPM2000-002P8_breast_Table1_1092 TTTCTTCATAGCTTCACGCCTGTATGGTATTCTCAGCTTCGGTG >MPM2000-002P8_breast_Table1_1093 ACTCTTCTGGTTGCCTTGACTCTAGTCCTGATCAGAGTGCCCAGCAAAGAACATTATACGCA CTGTCCCGGCACTGTCCT **GTGACATAAAAGCAATGACCTGATATCAGATTCCCTGGGATAGGACCTGAAAAAGAGTTGAG GGCAGGCTCTGCATTTTG** GAAGCCACCATGTTTC CTTATCCCCCTTTTAGCAG CCTC >MPM2000-002P8_breast_Table1_1094 GCAGAACGCTGGAGAGGGTGCAGTCTCTGTGAGGGTGAGCGGTGTGGTGCCCTGGAAGGA **CTCCTTCCCACCAGTCACTA** AGCAGCAGAGGCCAGGCAATCACAGGCTAGGAGCCTTCTGACCCAGGAATAGGCATTCCC **GCATCCTTAGACCACACAAT** GCATGCCCACTGTGTCACTGCAGAAGAAAGGATAAAGGTGGCCATGGCTAGCTGGCCATGC **AAGGCACTCACAGCGTTAA** TGAGACCTGGCCGGTCAAGGCAGTTACTCTGATGGTAACTAGGCTTGTCTCCTTGCCATGA GAGAGTTAGGGACACACT >MPM2000-002P8_breast_Table1_1095 TGAGTGGCTGGGACTACAGGTATGCGCCATACCTAGCTAATCTTTTTGTATTTTTTTGGTAGA GAGAAGTTTTCGCCTTG **GCTAGGATTACAGGTATGA** GCCACCCTGCCTGGCCAGATTTAATGAAACTTTATTAATCACTTAGTTATGCTAATTACTATCT TTCCATAATGTTTTGA ATACAACGCTATTGTAGTTAATACGTTGTTTTGCGGTTATTTGCTTACATGTCTGTTTCTGCTA **CTGAATTGTAAATCCC** TTGAATATAGGGAAAATATATTTGTATCCCTACCATCTGAAAAGAGT >MPM2000-002P8_breast_Table1_1096 ACTAGCCCTGCTTGTCTGCAGATCCAGAGAGCCTTAATTGACAGATTCAACTGTGCCTATTC **CTGAACCAATTCTGATCA** AGAAAGTGGTCCCACCAGTCAGTGCTGACAGGAATTAGTCTTTTGCTGTCAACTAATGGTTT

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TCCACCCAGAGATATTTGTCAATGTCTGGAGACATCTATGGTTGTCACAGCTGAGGGAATAT

TCAATTAGGGCAACTTTT

TAATTAATAGCACCTAGT

GGGTAAAGGTGAGGAATGTCATTAAATACCCTACAATGCAGAGGGTAACCCCCCACCAACA **GAGT** >MPM2000-002P8_breast_Table1_1097 CTAGCTTGAGTCGACCCACGCGTCCGATTTAGAAGAGCCAGAAATAAAATAAAATATCTTGG **TGTAACTTTAACTAAGTA** AGTAAAAGAACTGTATGACAAGATCTTGTCTTTGAATTAAAAATTCTGAAGATGACAGTAGAA GATAGAAGATGCTCATG AATTGGTAGGATTAACATAATAAACATGGTGATCTTACCAAAGGCAATAAACAGACTCAACAC **AATAACTATCAAACTTC** CAACATTTTTTTATTAATCTTGCAAGAACACAACTTAACTTCATAAGTTGAACAAAATAAAACA **GTATATGTCCAGCCTG** GCTTGGCCCTTCATGGTACCTCGGCCG >MPM2000-002P8_breast_Table1_1098 ACTCAAAATCCTAACCAGAGCATTCAAACAACAAAAAGAGGTTAAAGGGATAC >MPM2000-002P8_breast_Table1_1099 ACACACACACACACACTCTGCAGAAATTACTCACAGTTTTGGCCTGTAAGCAGTATTCA TTCTTCCATTAAATCTG CTAGTATTAATATAGGTTTTCTCCCATTTTATATTCCTTTGACTATTAAAGTAAGAATTCAGGA **CTTGGAGAGAAAGTGG** AAAATTTCCATTTAATTCATTAAGTTTTAAATTATTAGCTATACCAGAACCCTTTATTATTATTTT **ATGTGTATGGATAT** TTTGCCTATATGTATGTTTGTGCACCATATCCATGACTGGTGCTTGAGGTCAGAAGTAGGCAT TA >MPM2000-002P8_breast_Table1_1100 CTCGTGCGGACGCGTGGGTCGACTCAAGCTAGCAGATGGAAGCTAACTGCCCATTGATAAG **TAAAGTTTTACAAGACGTA** GAACAGTTTTGATCTGTATACATTATCTTTGGTTCCATTCTTATGAGATCATATGAGATCAGGC ATGTTTAAGGTGATAT GGCCGTGAACCTTTGGCTCCATTCTTAATACAACAGTATCGTTGAATAGTTGTAACAGAGACT ATCTGACCCATAAAACC TTAGGTCTTCACTGTTTGAAGATCTATAGAAAAAAGGTTTGCTTTTTATTCTTACAGTTGTTAA TATGTGTGGGGTTGTA **TGCATT** >MPM2000-002P8_breast_Table1_1101 TGAGCGGGAGCTGAAGCCAGCTCGAGTATATGGGACAGGCTCCTTGGCTCTGTATGAGAAG GCCTGAGATAAAGGGACCT GAGGAACAAGAAGAAGCACCTCATTATTGGTTGTGGTCCTACGGATCGAGGCCCATTTGTG >MPM2000-002P8_breast_Table1_1102 GACGAGGCAACCCAACACCCTAGCCTAAAGNCCCGTTGACAACTGCAGNCATGGGTTGGC TTGGCCCACCGCCTTGGCA NCCGNTCACGNAAGGAAAAAAAGNCCGCGGGCCCTTAAAAGGCGGCGGAGGTTCTTGGGT **TGAACCTTGGGGCANCCCCA** CCCGGTTGCCANGGCCTGGATTGGGGTNACCCNCAAAAGGCCTGTCCCCAAGGCCCGNAA **CCTTGGGGAAAANGAAATGG** TTCCTTTTNGNGNNAAAAAAAAAAAAATGGAACCCCGGTTGGGGGNANGGCCCCTTGGGGGG **GCCTTTGGGGAAGTCCNCC** CCGNAAGGGGTTCCCCGGGCCTGNTTGGCCGGGGNCCCCAAAAANTCCAAAATGGNCCAN **GGGGNTGGGGNCCAACCCCC** >MPM2000-002P8_breast_Table1_1103 ACCTAGAATATTTATTTCAGATAATATCAAGATTTACCTATATTTCTACCAAAGACAATGATAG **GTTTTTTTTTATATAG** TTGGAGGGCAGGGATAGTGTTAAAGGTTTATGATGTATAAGCACGCTTAGACACACCAGGA **GAAAGTATCAGATCTCAT** TACACATGGTTGTGAGCCACCATGTGGTTGCTGGGATTTGAACTCGGGACCTCTGGAAGAG CAGTCAGTGCTCTTATCCA

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CTGAGCCATCTCTATAGCACTTTAAAAAAAATATTAAGCATCATACAGCTTTCTGCCTCTATGT **ATGCCTGCAG** >MPM2000-002P8_breast_Table1_1104 CTTTGTCTCTCAAACTTTTATACTGTCATAGTTCATTTTTCTTGTACAGATGCTCTTTCAACTTT **TTTTGAGAGTATATA** CATAACAATTGCAGTTGAAAGTAGGGTGGGGTTTAGTCTCCTGGTCACAGTTCAATAAGTAC GGACGCGTGGGTCGACTC **AAGCTAGCTTGTAC** >MPM2000-002P8_breast_Table1_1105 ACACTTATAGTTGAGAGCCAAGTCTCCCTTATCATTGGTGAATGAGGATGAGCTACTGAAAA CAAAAAGAGGGTCTTCTA CTCAGCCTCTACCCCTAATATTTATATCAGAAGCAGAGATTAACTGTCCTTACTCATTCACAC **GTTAATGGAAGAGAAGG** AAGTTTCCTAGAAAAATCCTCCCGCTCCACCCTGCAAACTTTATGCTTTTCTGTTACATAATC AGGCAGGGGCAAGACCT AAACTATTTTGAATTGGTGGTGTTGAGGCTAAATTCTCTGCTATTGACAGAATTGAGAATGTG **ATCAATTTCAGAGTAGC** ATGTTACAAATTTTGTCCCAATTTCAATGGGGAGAATTATAACAAATCAGTAGTGGTTGGAAG AA >MPM2000-002P8_breast_Table1_1106 ACGCGGGGAGTTCTCTCAGGCTCTCCAGAGCTCAGGACCTCTGAGAAGAATGGAGCCCTCC **TGGCTTCAGGAACTCATGG** CTCACCCCTTCTTGCTGCTGATCCTCCTCTGCATGTCTCTGCTGCTGTTTCAGGTAATCAGG TTGT >MPM2000-002P8_breast_Table1_1107 ACGCGGGGGTAGATGGAAGGAAGAACTCGTGTGCTTAGACCTGACGCTGGGAGGAGATGC **TGCCACCTAGGTTACTTGTA** GGACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGCA **GTAAAGTAGAAGAGACAG** GGATATCCCAGAAGGTTATGCAAAACATCAAGAGAAGATGAGAGGAGTCTATATGTCAGAAT ACACATTTCCCACCTTGC CCAACAGTAGAAAACATAAGAAGAGAAAAACATTAAAAAATGACAAGGAAGTTAATGGAAGT CAGCAATGTGATGGTGT TTGGAGGTGGAGCCTTCAGAAGGTAATTAATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGC **GCACCT** >MPM2000-002P8_breast_Table1_1108 ACTTGTCCTGATGGGTCATCCAGAAGAGTTTCATGGAGATCAGTTCACAACATTGGACAGAC TATGAAACAAAGTCTGTA ATATCATTTATACTCAGTATTGGTAGGCTTTTTCCTTAATACCCCCACTCCAACAAAACAGAC CTGCCTTCACTTCTCTT GAAAATATTATTACCATCAGTAACTGCTTGTCTACTATGTCTCCAAGGCAAGCCACAGGCTAT **AAGCCAATTCTGCAAAA** GGAGCAGCAAAAGAATGCTTAGTGCAATTCCTCTATTTAAAGTTTGCTTGAGTTTTGATTATTT **TGTTATTTGG**

>MPM2000-002P8_breast_Table1_1109

CACGCGTCCGACCTAGCTTGAGTCGACCCACGCGTCCGATTTCTGGTTTCTTTGGAGACTC GGTTGTGCCATGTGATGCT

TTTCTGGAAACTGTCTTATGAGAGGAAGCTTTTGCTGAAGCAGACACATGGGAGAATGTTTT GTTAAGAACAGACATGTA

GTATTTTCTAGAGGCAGCTTGAATAAAGAGCATGTGGTATTTTGCTAGAGGGGACACTTGA GAGAACATGTGACATTTG

GAAAGGATATATGTATAACCTAAAAGACAGTGGCCAATGCTGTGTGGTATTGGTGTGCCTTA CCATTCTTTGCTGGCC

>MPM2000-002P8_breast_Table1_1110

TCGTGATCTAGATCCCTATAGTGAGCGGACGCGTGGGTCGACTCAAGCTAGGTCGGACGCGTGGGTCGACTCAAGCTAGG

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Table 5

TCGGACGCGTGACCTTCCCCAAAATTCTTCTTTTTTCAGATGAAAGTCATACACTCAGCTTTC **ATATTTTAATATACATA** AAACAGCTCAGTGACTGGGACACTTCCTAACCTCCATTTGGGTAATTCACTTCCCTCCAATAA TCCTGAGTTATCATTTA TTATATTTTGTATTTTACCTTGGCTGCACTGGAGCCAGTTGGGCAGCCCTCTTGGGCCTCAC **TCTCATGTTCCTACATGG GCAGT** >MPM2000-002P8_breast_Table1_1111 CACGCGTCCGCATGCCTACCCGGGCTTTTTCTGACTCCGTGAAGCTGATCTCTTCCTCATTC GAGGAAGGGTAAACCCTT TGTAGATGGGTAAACCCTTGTCAGTCAGAGACAGTAGCCATCCCCTGTAATTCCAGAGCGCA **AGAGACTGAGGCAGGATA** ATTACCTAAACCTAGGAGTCCAAGATTTGGCTAACGTAGTAAGACCTGTCTCGAAACAAAAC **AAATCTTGAGGATGTGAT** GCTTGCTTAGTGTTAGATTGTGTGATTAGGATACACAGGGCACTCAGCTTCCTATCTCCACT GAAGCAGTCAATTAG >MPM2000-002P8_breast_Table1_1112 GGTGGCGGCACGTACTACTGAGACCATTACAAAATTAAAGGTGACTTTTTAATCTGGAATT GCAAACCGACAGCAGCCT **AAGCTGTGCCACAGCCTG** GAATTATTATGCTGACACACAAAAGAGGGCGGGAGTGACAGCGTGGTGATCTACCACTGCT **GTCTGTGGGGTTAATGGTA** AGCTTTCCCACTGCTAATGGTTTATAAAAAGAACAAAGAAAAGGAAAACGGTGCAAGGGAAA **ATCAATAGTATTAACATA** GTCATGGTAGTGAATGCAACCCTTTATTTCTGGGATGGCTTTATTGAACTGGCTTTGAACTT GATACCTTTTATTTT >MPM2000-002P8_breast_Table1_1113 ACATAAAACTTGTAGAGATTTACACACGCCAGCCGCACATCGCCCCTTCCCAATGGCTTTAC **ATCTTGGTGACCTTTCAG TGCGGCGCTC** >MPM2000-002P8_breast_Table1_1114 GAAACATTTTATTATTTTTTTTTTTTTTTTTACAAAAGGACTAAGTGGTTCTGAAAGCCAAGGC **AGAGTTCATGTGTCTG AGGCCATCACATCCCCATC** TACATCTACAATACTTGAATGTATTTACATGTGTTGTTCTTTAAAAAAGGATTACACATTTTATTC TTTAAAAATCTAAAA AATGATGGAGAAAAGGAACACAGTTTATCTTACACATTTGCAGGATATACAAGGGTAACTT >MPM2000-002P8_breast_Table1_1115 ACTCTGTGTTTGTGATTCTGTGTCACGCTCTGTGTAAGTGACTCCATGATCAAAGCTTTCCTG **TCGTAATTGTGTGGATT** TACTTGTTGCCCACTGTCCCCATACCCTCCACCCCACATGGTGTGCTTCCTCCAGAAAGGG **ACTACTTCTGCTGACCAC AAATAGTTTTATGTGT** GTTTAACTTAATTTCACTTAAAAAGATATTTACCAGAAGCTGAAAGTACGGTGTGATGAGGTT **GGGTTCAGGAAGGACTG** GTATCACATGGCTTCCCTAAGGTGTATATTACATTGCTAGGACACCTGACAGAGCTGTGGAT **TAGTGAA** >MPM2000-002P8_breast_Table1_1116 ACTTTTCTCTTAACTTACCTGACTGAAGGCATCCAATCAGAAAGGAAAGTGAACAAGTATAAT **GTTTCTAAGTGAGTCCA**

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TTTGACCAGCAGATA

Table 5

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